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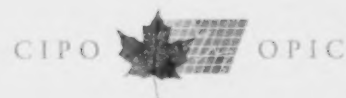
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THE CANADIAN PATENT OFFICE RECORD

LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates

All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals

The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIP) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

- [11] - Number of Patent document
- [13] - Kind-of-document code
- [21] - Number assigned to the Application
- [22] - Date of Filing Application or
- [22] - Date of filing of related divisional application
- [25] - Language in which the published application was originally filed
- [30] - Data relating to priority under the Paris Convention

- [41] - Open to Public Inspection Date
- [45] - Date of Issue
- [48] - Correction Date (Re-Issued, Re-Examined)
- [51] - International Classification
- [52] - Domestic Classification
- [54] - Title of Invention
- [60] - Related by Supplementary Disclosure
- [62] - Related by Division
- [64] - Related by Reissue
- [71] - Name(s) of Applicant(s)
- [72] - Name(s) of Inventor(s)
- [73] - Name(s) of Grantee(s)
- [85] - National Entry Date
- [86] - PCT International Filing Data
- [87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates

Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code

Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques ». Ces codes sont utilisés pour l'identification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

- [11] - Numéro du brevet
- [13] - Désignation du type de document
- [21] - Numéro attribué à la demande
- [22] - Date du dépôt de la demande ou
- [22] - Date du dépôt de la demande divisionnaire apparentée
- [25] - Langue dans laquelle la demande publiée a été initialement déposée
- [30] - Données relatives à la priorité selon la Convention de Paris

- [41] - Date de mise à la disponibilité du public
- [45] - Date de délivrance
- [48] - Date de correction (Redélivrance, Réexamen)
- [51] - Classification internationale
- [52] - Classification nationale
- [54] - Titre de l'invention
- [60] - Apparenté par divulgation supplémentaire
- [62] - Apparenté par division
- [64] - Apparenté par redélivrance
- [71] - Nom(s) du (des) demandeur(s)
- [72] - Nom(s) de(s) l'inventeur(s)
- [73] - Nom(s) du (des) titulaire(s)
- [85] - Date d'entrée en phase nationale
- [86] - Données du dépôt international selon le PCT
- [87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (www.wipo.int/scit/en/standards/standards.htm).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (www.wipo.int/scit/fr/standards/standards.htm).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of \$1 per page by visiting (www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 \$ par page en visitant notre site Web (www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:

	N/A
a) for each request	\$10
b) plus, for each patent or application to which the request relates	\$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	\$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	\$10

Article 25.1* Demande d'une copie d'un document sous forme électronique :

	S.O.
a) pour chaque demande	10 \$
b) pour chaque demande de brevet ou brevet visé par la demande	10 \$
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 \$
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 \$

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of \$1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 \$ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

6. Licensing of Patents

Voluntary Licences

Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences

Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

None

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Octroi de licences en vertu des brevets

Licences librement accordées

Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires

Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

Aucun

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 1, 2017

1. Transmittal Fee (Rule 14)	\$300
2. International Filing Fee	\$1792*
For each additional sheet over 30	\$20
3. International Search Fee	\$1600

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1^{er} octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 1 janvier 2017

1. Taxe de transmission (Règle 14)	300 \$
2. Taxe de dépôt internationale	1792 \$*
Pour chaque feuille au delà de 30	20 \$
3. Taxe de recherche internationale	1600 \$

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

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Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee

50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

Preliminary Examination

5. Handling fee (Rule 57.2(a)) \$269

6. Preliminary examination fee (Rule 58) \$800

* International fees will be reduced by:

- \$269 for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- \$404 for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (publications.mail@wipo.int) or visit their Web site (www.wipo.int).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Taxe pour paiement tardif

50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. Taxe de traitement (Règle 57.2a)) 269 \$

6. Taxe d'examen préliminaire (Règle 58) 800 \$

* Les frais seront réduits de:

- 269 \$ pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- 404 \$ pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (publications.mail@wipo.int) ou visiter leur site Web (www.wipo.int).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as "the Offices") have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term "firm" includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets.**

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais « partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships ») ainsi que des sociétés à responsabilité limitée

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Offices.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

14. Correspondence Procedures

June 20, 2017

1. Physical Delivery of Correspondence to CIPO
2. Electronic Correspondence
3. Details concerning the electronic formats accepted
4. General Information
5. Statutory Holidays
6. Procedures in case of an unexpected Office closure at CIPO
7. Procedures when CIPO is open for business but clients are unable to communicate with the Office
8. Intellectual property acts, rules and regulations

This notice will replace all previous notices regarding Correspondence Procedures.

Note: *This practice notice is intended to provide guidance on current Canadian Intellectual Property Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

1. Physical Delivery of Correspondence to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, section 3 of the Trade-marks Regulations, section 2 of the Copyright Regulations, section 3 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets* et de la *Loi sur les marques de commerce*.

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

14. Procédures de correspondance

le 20 juin, 2017

1. Livraison en personne de correspondance à l'OPIC
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Jours fériés
6. Procédures en cas de fermeture des bureaux
7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture
8. Lois, règles et règlements sur la propriété intellectuelle

Le présent avis remplacera tous les avis antérieurs relatifs aux procédures de correspondance.

Nota : *Le présent avis fournit une orientation concernant les pratiques et interprétations relatives aux lois pertinentes au sein de l'Office de la propriété intellectuelle du Canada. Toutefois, en cas d'incompatibilité entre cet avis et la législation applicable, c'est celle-ci qu'il faudra suivre.*

1. Livraison en personne de correspondance à l'OPIC

Aux fins des articles 5 et 54 des *Règles sur les brevets*, de l'article 3 du *Règlement sur les marques de commerce*, de l'article 2 du *Règlement sur le droit d'auteur*, de l'article 3 du *Règlement sur les dessins industriels* et de l'article 3 du *Règlement sur les topographies de circuits intégrés*, l'adresse

Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage 1
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

Correspondence delivered to the above address during ordinary business hours 8:30 a.m. to 4:30 p.m. (local time) will be considered to be received on the date of delivery.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted to CIPO that contains financial information, such as credit card numbers.

Download the [Fee Payment Form](#).

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered **in person**:

1. Innovation, Science and Economic Development Canada
C.D. Howe Building
235 Queen Street, Room S-143
Ottawa ON K1A 0H5
Tel.: 343-291-3436

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

2. Innovation, Science and Economic Development Canada
Sun Life Building
1155 Metcalfe Street, Room 950
Montreal QC H3B 2V6

du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC » est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage 1
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

La correspondance livrée à l'adresse ci-dessus lors des heures normales d'ouverture, soit de 8h30 à 16h30 (heure locale), sera considérée comme ayant été reçue la journée même de la livraison.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, il ne peut pas la retourner à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet ne satisfaisant pas aux exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements devrait toujours être présenté comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le [formulaire de paiements](#).

1.1 Établissements désignés

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les établissements ou bureaux désignés où peut être livrée **en personne** la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies sont les suivants :

1. Innovation, Sciences et Développement économique Canada
Édifice C.D. Howe
235, rue Queen, pièce S-143
Ottawa (Ontario) K1A 0H5
Tél. : 343-291-3436

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

2. Innovation, Sciences et Développement économique Canada
Édifice Sun Life
1155, rue Metcalfe, bureau 950
Montréal (Québec) H3B 2V6

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Tél. : 514-496-1797
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

3. Innovation, Science and Economic Development
Canada
151 Yonge Street, 4th Floor
Toronto ON M5C 2W7
Tél. : 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

4. Innovation, Science and Economic Development
Canada
Canada Place
9700 Jasper Avenue, Suite 725
Edmonton AB T5J 4C3
Tél. : 780-495-4782
Toll-free: 1-800-461-2646

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

5. Innovation, Science and Economic Development
Canada
Library Square
300 West Georgia Street, Suite 2000
Vancouver BC V6B 6E1
Tél. : 604-666-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. For example, correspondence delivered to the designated establishment in Toronto on June 24 will not be considered received on June 24 since CIPO is closed for business. The correspondence will be considered received on the next day CIPO is open for business.

Please note that documents delivered to the addresses listed above must be enclosed in a sealed envelope.

1.2. Registered MailTM and XpresspostTM services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered MailTM and XpresspostTM services of Canada Post are designated establishments or designated offices to which

Tél. : 514-496-1797
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

3. Innovation, Sciences et Développement économique
Canada
151, rue Yonge, 4e étage
Toronto (Ontario) M5C 2W7
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

4. Innovation, Sciences et Développement économique
Canada
Canada Place
9700, avenue Jasper, pièce 725
Edmonton (Alberta) T5J 4C3
Tél. : 780-495-4782
Sans frais : 1-800-461-2646

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

5. Innovation, Sciences et Développement économique
Canada
Library Square
300, rue Georgia Ouest, pièce 2000
Vancouver (C.-B.) V6B 6E1
Tél. : 604-666-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, la correspondance livrée à un établissement désigné à Toronto le 24 juin ne sera pas considérée comme ayant été reçue le 24 juin, puisque les bureaux de l'OPIC seront fermés. La correspondance sera considérée comme ayant été reçue lors de la prochaine journée ouvrable de l'OPIC.

Prendre note que les documents livrés aux adresses énumérées ci-dessus doivent être insérés dans une enveloppe scellée.

1.2. Services Courrier recommandé^{MC} et Xpresspost^{MC} de Postes Canada

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^{MC} et Xpresspost^{MC} de Postes Canada sont des

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

2. Electronic Correspondence

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 3(6) of the Trade-marks Regulations, subsection 2(6) of the Copyright Regulations, subsection 3(6) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 3(9) of the Trade-marks Regulations specifies certain categories of correspondence to which the provisions of subsection 3(6) do not apply and which thus may not be sent by facsimile or online.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight, local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is open for business.

établissements ou des bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au Registraire des marques de commerce, au Bureau du droit d'auteur ou au Registraire des topographies peut être livrée.

L'OPIC considère que la correspondance livrée par l'entremise des services Courrier recommandé^{MC} et Xpresspost^{MC} de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

2. Correspondance électronique

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, du paragraphe 3(6) du Règlement sur les marques de commerce, du paragraphe 2(6) du Règlement sur le droit d'auteur, du paragraphe 3(6) du Règlement sur les dessins industriels et du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par télécopieur ou encore en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent avis.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 3(9) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 3(6) ne s'appliquent pas et qui, par conséquent, ne peuvent pas être envoyées par télécopieur ou en ligne.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies tient lieu d'original. Par conséquent, une copie sur support papier ne devrait pas être expédiée.

La correspondance livrée et reçue par voie électronique, y compris par télécopieur, est réputée reçue à l'OPIC le jour même avant minuit, heure locale, lorsque l'OPIC est ouvert au public. Si elle est transmise un jour où l'OPIC est fermé au public, elle est réputée reçue à la date du jour d'ouverture suivant de l'OPIC.

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2.1 Facsimile

Facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent to the following facsimile numbers:

- (819) 953-CIPO (2476) or
- (819) 953-OPIC (6742)

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment or designated office, will be considered not to have been received.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting a document by facsimile that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- [filing an application](#) (regular application);
- [filing a request for national entry](#);
- [filing an international application](#) (PCT Safe or ePCT);
- [general correspondence relating to applications and patents](#);
- [maintaining the name of a patent agent on the register](#)

2.1 Correspondance par télécopieur

La correspondance par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise aux numéros ci-dessous :

- 819-953-OPIC (6742) ou
- 819-953-CIPO (2476)

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements ou de bureaux désignés, sera réputée non reçue.

Le rapport de transmission électronique que vous recevrez après votre envoi par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Quand on transmet par télécopieur un document comprenant une demande d'acquittement de frais, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements en vue d'assurer un traitement rapide.

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Brevets

Aux fins du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment par le biais des pages suivantes :

- [déposer une demande](#) (demande régulière);
- [déposer une demande d'entrée dans la phase nationale](#);
- [déposer une demande internationale](#) (PCT Safe ou ePCT);
- [correspondance générale concernant des demandes et des brevets](#);
- [maintien du nom d'un agent de brevets dans le registre](#)

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- of patent agents; and
- ordering copies in paper, or electronic form of a document.

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called PCT E-Filing.

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a designated establishment.

Trademarks

For the purpose of subsection 3(6) of the Trade-marks Regulations, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically by accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- filing of a declaration of use;
- registration of a trademark application;
- statement of Opposition; and
- extensions of time in trademark opposition cases

Copyright

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- application for registration of a copyright in a work;
- application for registration of a copyright in a performer's performance, sound recording or a

des agents de brevets;

- commande de copies papier ou d'un document sous forme électronique.

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIIC, appelé Dépôt en ligne de demandes PCT.

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIIC ou à un établissement désigné.

Marques de commerce

Aux fins du paragraphe 3(6) du Règlement sur les marques de commerce, la correspondance indiquée ci-dessous qui est adressée au registraire des marques de commerce peut être envoyée par voie électronique, notamment par les pages suivantes :

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce;
- dépôt d'une déclaration d'emploi;
- l'enregistrement d'une marque de commerce
- dépôt d'une déclaration d'opposition; et
- demande de prolongation de délai dans une procédure d'opposition.

Droits d'auteur

Aux fins du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre;
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de

Notices

- communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

Industrial Designs

For the purpose of subsection 3(6) of the Industrial Design Regulations, the following correspondence addressed to the Commissioner of Patents may be sent electronically, by accessing the following pages:

- application for registration of an industrial design;
- ordering copies in paper, or electronic form of a document;
- general correspondence relating to industrial designs; and
- payment of industrial design maintenance fees.

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- general correspondence relating to integrated circuit topographies.

2.3 Electronic medium

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the

communication:

- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Dessins industriels

Aux fins du paragraphe 3(6) du Règlement sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au commissaire aux brevets peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un dessin industriel;
- commande de copies de documents papier ou électroniques;
- correspondance générale relative aux dessins industriels; et
- paiement des droits de maintien des dessins industriels.

Topographies de circuits intégrés

Aux fins du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique. Pour ce faire, il faut accéder à la page suivante :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Supports électroniques

Brevets

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui

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application itself or amendment(s) thereof.

contient des parties de la demande elle-même ou des modifications relatives à la demande.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

- i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or
- ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

- i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou
- ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe

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the PCT Administration Instructions.

The electronic medium must also be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

3. Details concerning the electronic formats accepted

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically using the relevant links set out in [section 2.2](#) of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 1/2" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

F des Instructions administratives du PCT.

Le support électronique doit aussi être exempt de tout ver, virus ou autre contenu malveillant. Les fichiers ayant un contenu malveillant seront effacés.

3. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) de ces procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellant Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

Industrial Design

For the purposes of subsection 3(6) of the Industrial Design Regulations, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures are: TIFF, JPEG, WPD and Doc. In order to get a correspondence date, the Office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the Office will request the documents to be replaced by documents in one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

When submitting images electronically, we strongly encourage clients to comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 1/2" by 11";
- Resolution of 300 dpi

Photographs in JPEG Format:

- JPEG compression, Gray Scale 8 bit (256 Shades of Gray);
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 1/2" by 11";
- Resolution of 300 dpi

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database. If the office converts files to an acceptable format this could result in a change in quality to the drawings.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du Règlement sur les dessins industriels, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance sont : TIFF, JPEG, WPD et DOC. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats, à condition qu'ils soient consultables à l'aide du logiciel « Stellant Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

Nous encourageons fortement les clients à respecter les spécifications suivantes lorsqu'ils déposent des images par voie électronique :

Format TIFF :

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris)
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Pour toutes les images soumises dans différents formats, le bureau peut imprimer et balayer les images par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données. Si le bureau convertit les fichiers dans un format acceptable, ceci pourrait résulter en un changement de la qualité des dessins.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

5. Statutory Holidays

- Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts
- Time limits under the Patent and Trade-marks Act
- Time limits under the Patent Cooperation Treaty
- Provincial and Territorial Holidays
- When Patent and Trademarks Offices are closed for business

Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Quebec; an Innovation, Science and Economic Development Canada regional office or the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

4. Renseignements généraux

On pourra obtenir des renseignements généraux en communiquant avec le Centre de services à la clientèle de l'OPIC.

5. Jours fériés

- Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés
- Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce
- Délais prévus dans le Traité de coopération en matière de brevets
- Jours fériés provinciaux ou territoriaux
- Jours de fermeture au public des bureaux des brevets et des marques de commerce

Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi sur les établissements auxquels des documents sont livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Time limits under the Patent and Trade-marks Acts

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the Patent Act and subsection 66(1) of the Trade-marks Act, any patent or trademark time limit that expires on a day when the Patent and Trademarks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered.

No equivalent provisions exist under the Industrial Design Act, the Copyright Act or the Integrated Circuit Topography Act.

Time limits under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

- i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;
- ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;
- iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or
- iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

CIPO takes the position that section 26 of the Interpretation Act applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for

Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la Loi sur les brevets et 66(1) de la Loi sur les marques de commerce stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés.

Il n'existe pas de disposition équivalente dans la Loi sur les dessins industriels, la Loi sur le droit d'auteur ou dans la Loi sur les topographies de circuits intégrés.

Délais prévus dans le Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour

- i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;
- ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;
- iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou
- iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

L'OPIC estime que l'article 26 de la Loi d'interprétation s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du

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the filing of a document in Canada that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday. CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. CIPO, however, takes no position as to whether such extensions would be recognized by other countries, and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the Regulations under the PCT or some other applicable law.

Provincial and Territorial Holidays

For the purposes of this practice notice, CIPO has identified the following as being days that are not federal holidays but that are holidays in one or more provinces or territories:

1. **Alberta:** Third Monday in February (Alberta Family Day)
2. **British Columbia:**
 - o First Monday in August (British Columbia Day)
 - o Second Monday in February (British Columbia Family Day)
3. **New Brunswick:** First Monday in August (New Brunswick Day)
4. **Newfoundland and Labrador:**
 - o March 17 (St. Patrick's Day)
 - o April 23 (St. George's Day)
 - o June 24 (Discovery Day)
 - o July 12 (Orangemen's Day)
 - o First Monday in August (Regatta Day)
5. **Nova Scotia:** First Monday in August (Civic Holiday)
6. **Ontario:**
 - o Third Monday in February (Ontario Family Day)
 - o First Monday in August (Civic Holiday)
7. **Prince Edward Island:** First Monday in August (Civic Holiday)
8. **Quebec:** June 24 (St. John the Baptist Day)
9. **Saskatchewan:** First Monday in August (Saskatchewan Day)
10. **Yukon:** Third Monday in August (Discovery Day)

When CIPO's Offices are closed for business

For the purposes of subsection 78(1) of the Patent Act and subsection 66(2) of the Trade-marks Act, CIPO's Offices are closed for business on the following days:

PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du Règlement d'exécution du PCT ou d'une autre loi pertinente.

Jours fériés provinciaux ou territoriaux

Aux fins du présent avis, l'OPIC a indiqué que les jours ci-après, qui ne sont pas des jours fériés pour l'administration fédérale, sont des jours fériés dans au moins une province ou territoire :

1. **Alberta :** troisième lundi de février (Jour de la Famille de l'Alberta)
2. **Colombie-Britannique :**
 - o premier lundi d'août (Fête de la Colombie-Britannique)
 - o deuxième lundi de février (Jour de Famille de la Colombe -Britannique)
3. **Nouveau-Brunswick :** premier lundi d'août (Fête du Nouveau-Brunswick)
4. **Terre-Neuve et Labrador :**
 - o 17 mars (Fête de la Saint-Patrick)
 - o 23 avril (Fête de la Saint-Georges)
 - o 24 juin (Journée de la Découverte)
 - o 12 juillet (Jour des Orangistes)
 - o Premier lundi d'août (Journée de la Régate)
5. **Nouvelle-Écosse :** premier lundi d'août (congé statuaire)
6. **Ontario :**
 - o troisième lundi de février (Jour de la Famille de l'Ontario)
 - o premier lundi d'août (congé statuaire)
7. **L'Île-du-Prince-Édouard :** premier lundi d'août (congé civique)
8. **Québec :** 24 juin (Saint-Jean-Baptiste)
9. **Saskatchewan :** premier lundi d'août (Fête de la Saskatchewan)
10. **Yukon :** troisième lundi d'août (Journée de la Découverte)

Jours de fermeture des bureaux de l'OPIC au public

Pour l'application des paragraphes 78(1) de la Loi sur les brevets et 66(2) de la Loi sur les marques de commerce, les bureaux de l'OPIC sont fermés au public les jours suivants :

Avis

- All Saturdays and Sundays
- New Year's Day (January 1)*
- Good Friday
- Easter Monday
- Victoria Day: First Monday immediately preceding May 25
- St. John the Baptist Day (June 24)*
- Canada Day (July 1)*
- Labour Day: First Monday in September
- Thanksgiving Day: Second Monday in October
- Remembrance Day (November 11)*
- Christmas Day (December 25)*
- Boxing Day (December 26)

If December 26 falls on a Saturday, CIPO's Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

* If any of these holidays fall on a Saturday or Sunday, the Offices will be closed on the following Monday.

6. Procedures in case of an unexpected office closure at CIPO

In case of an **emergency**, CIPO will attempt to remain open for business and ensure that essential service to our clients continues with the least possible disruption or delay.

In view of the **date-sensitive nature** of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

Whenever CIPO is closed for business, including closures due to extraordinary circumstances, CIPO considers **all time limits to be extended until the next day that it is open for business**. In such situations, mail delivered to CIPO or to the designated regional offices will be considered to be received on the date that CIPO re-opens for business, with the exception of correspondence addressed to the Registrar of Topographies.

There may also be instances in which the designated regional offices may be temporarily closed, yet CIPO remains open for business. In such situations, it remains the responsibility of CIPO's clients to ensure that all deadlines are respected.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or electronically using the relevant links set out in section 2.2 of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476); however date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA, MasterCard, or American Express credit card number, or CIPO

- Tous les samedi et dimanche
- Jour de l'An (1er janvier)*
- Vendredi Saint
- Lundi de Pâques
- Fête de Victoria : premier lundi précédant le 25 mai
- Saint-Jean-Baptiste (le 24 juin)*
- Fête du Canada (1er juillet)*
- Fête du travail : premier lundi de septembre
- Jour de l'Action de grâces : deuxième lundi d'octobre
- Jour du souvenir (11 novembre)*
- Jour de Noël (25 décembre)*
- L'après-Noël (26 décembre)

Si le 26 décembre est un samedi, les bureaux de l'OPIC seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

* Si l'un ou l'autre de ces jours fériés est un samedi ou un dimanche, les bureaux des brevets et marques de commerce seront fermés le lundi suivant.

6. Procédures en cas de fermeture des bureaux

Dans une **situation d'urgence**, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

Dans les cas où l'OPIC est fermé au public, y compris pour des raisons exceptionnelles, **les dates limites seront réputées être reportées au prochain jour où l'OPIC sera ouvert au public**. Le cas échéant, sauf pour la correspondance adressée au registraire des topographies, le courrier livré à l'OPIC ou aux bureaux régionaux désignés sera réputé avoir été reçu le jour où l'OPIC rouvre au public.

Il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, les clients de l'OPIC demeurent responsables du respect de tous les échéanciers.

Les clients sont **fortement encouragés** à faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^{MC}, par Xpresspost^{MC} ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance. Il est toujours possible de télécopier des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des frais sont exigés, envoyés par

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deposit account number.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information on our service interruptions as they become available and as circumstances permit.

7. Procedures when CIPO is open for business but clients are unable to communicate with the Office

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open for business but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Trademarks

The Trade-marks Act and Regulations does allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. For a retroactive extension of time to be granted, the Registrar of Trade-marks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee of \$125 may be required in certain cases.

CIPO notes that Bill C-59 – Budget Implementation Act 2015, which received royal assent on June 23, 2015, contains provisions for extensions of time in Force Majeure-type situations (such as catastrophic events). CIPO has commenced work on regulatory amendments to the Patent Rules, Trade-Marks Regulations and the Industrial Design Regulations to bring Bill C-59 into force.

télécopieur, doivent être accompagnés d'un numéro de carte VISA, Mastercard ou American Express ou d'un numéro de compte de dépôt à l'OPIC.

En cas d'urgence, les systèmes d'information et de recherche seront, dans la mesure du possible, accessibles à partir de notre site Web; toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En cas d'urgence, l'OPIC affichera les renseignements nécessaires sur notre page d'interruptions des services lorsque ceux-ci seront disponibles et si les circonstances le permettent.

7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif relié aux types de propriété intellectuelle mentionnés ci-haut ne permet pas à l'OPIC d'avoir la flexibilité de proroger les délais lors d'une journée ouvrable pendant laquelle les clients sont dans l'impossibilité de communiquer avec le bureau.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prorogation rétroactive lorsqu'un délai n'a pas été respecté en raison d'une situation de force majeure. Pour qu'une prorogation rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit de 125 \$ peut être exigé dans certains cas.

L'OPIC souligne que le projet de loi C-59 – Loi d'exécution du budget 2015, qui a reçu la sanction royale le 23 juin 2015, renferme des dispositions permettant la prorogation de délais dans des cas de force majeure (événements catastrophiques par exemple). L'OPIC a entamé des travaux visant à apporter des modifications réglementaires aux Règles sur les brevets, au Règlement sur les marques de commerce et au Règlement sur les dessins industriels afin de mettre le projet de loi C-59 en vigueur.

8. Intellectual property acts, rules and regulations

- [Copyright Act](#)
- [Copyright Regulations](#)
- [Industrial Design Act](#)
- [Industrial Design Regulations](#)
- [Integrated Circuit Topography Act](#)
- [Integrated Circuit Topography Regulations](#)
- [Interpretation Act](#)
- [Patent Act](#)
- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trade-marks Regulations](#)

8. Lois, règles et règlements sur la propriété intellectuelle

- [Loi sur le droit d'auteur](#)
- [Règlement sur le droit d'auteur](#)
- [Loi sur les dessins industriels](#)
- [Règlement sur les dessins industriels](#)
- [Loi sur les topographies de circuits intégrés](#)
- [Règlement sur les topographies de circuits intégrés](#)
- [Loi d'interprétation](#)
- [Loi sur les brevets](#)
- [Règles sur les brevets](#)
- [Règlement d'exécution du PCT](#)
- [Règlement sur les marques de commerce](#)

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of July 25, 2017 contains applications open to public inspection from July 9, 2017 to July 15, 2017.

15. Demandes canadiennes mises à la disposition du public

La *Gazette du bureau des brevets* du 25 juillet 2017 contient les demandes disponibles au public pour consultation pour la période du 9 juillet 2017 au 15 juillet 2017.

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[72] MADRENAS, JOAQUIN, CA
[72] FERBER, IRIS A., US
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[54] IMMUNOGENIC POLYPEPTIDE ISOLATED FROM MYCOBACTERIUM AVIUM SUBSPECIES PARATUBERCULOSIS AND USES THEREOF
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[72] HOLMES, CHRISTOPHER P., US
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[54] PROCEDE ET APPAREIL PERMETTANT D'AMELIORER LE CONFORT PROVENANT D'UNE PRESSION POSITIVE CONTINUE DES VOIES AERIENNES
[72] FARRUGIA, STEVEN PAUL, AU
[72] ALDER, MATTHEW, AU
[72] PRICE, ANDREW MIKAEL, AU
[72] RICHARD, RON, US
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[54] **METHOD AND SYSTEM FOR SELECTIVELY DISTRIBUTING DATA TO A SET OF NETWORK DEVICES**
[54] **PROCEDE ET SYSTEME DE DISTRIBUTION SELECTIVE DE DONNEES DANS UN ENSEMBLE DE DISPOSITIFS DE RESEAU**
[72] PATEL, DIPAN, GB
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
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[54] **METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK**
[54] **METHODE DE SURVEILLANCE ET DE FOURNITURE D'INFORMATION SUR UN RESEAU PAIR A PAIR**
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[54] **A LUBRICATING OIL ADDITIVE COMPOSITION AND METHOD OF MAKING THE SAME**
[54] **UNE COMPOSITION D'ADDITIF POUR HUILE LUBRIFIANTE ET METHODE POUR LA PRODUIRE**
[72] RUHE, WILLIAM R., JR., US
[72] STOKES, CASEY D., US
[73] CHEVRON ORONITE COMPANY LLC, US
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[54] **METHOD AND SYSTEM FOR PROVIDING A SHIPPING LABEL VIA AN ELECTRONIC PROCUREMENT SYSTEM**
[54] **PROCEDE ET SYSTEME FOURNISSANT UNE ETIQUETTE D'EXPEDITION AU MOYEN D'UN SYSTEME D'APPROVISIONNEMENT ELECTRONIQUE**
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[54] **SYSTEMS AND METHODS FOR DETERMINING USER ACTIONS**
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[72] ROETTER, ALEX, US
[72] JINDAL, DEEPAK, US
[73] GOOGLE INC., US
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[54] **COMPOSITIONS POUR LE TRAITEMENT DE MALADIES MAMMALIENNES ET LEURS PROCEDES D'UTILISATION**
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[54] **SYSTEMS AND METHODS FOR MONITORING COUGH**
[54] **SYSTEMES ET PROCEDES POUR SURVEILLER LA TOUX**
[72] COYLE, MICHAEL, US
[73] ADIDAS AG, DE
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[25] EN
[54] **SYSTEM FOR MONITORING A PHYSIOLOGICAL PARAMETER OF PLAYERS ENGAGED IN A SPORTING ACTIVITY**
[54] **SYSTEME DE SURVEILLANCE D'UN PARAMETRE PHYSIOLOGIQUE DE JOUEURS ENGAGES DANS UNE ACTIVITE SPORTIVE**
[72] GREENWALD, RICHARD M., US
[72] CHU, JEFFREY J., US
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[72] IDE, THAD M., US
[73] RIDDELL, INC., US
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[54] **METABOLICALLY ACTIVE MICRO ORGANISMS AND METHODS FOR THEIR PRODUCTION**
[54] **MICRO-ORGANISMES METABOLIQUEMENT ACTIFS ET METHODES POUR LEUR PRODUCTION**
[72] THURLBY, TIMOTHY, GB
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[72] WHITTEN, ALMA W., US
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[54] **COMPOSITION FOR METAL SURFACE TREATMENT, TREATING LIQUID FOR SURFACE TREATMENT, METHOD OF SURFACE TREATMENT, AND SURFACE-TREATED METAL MATERIAL**
[54] **COMPOSITION DE TRAITEMENT DE SURFACE METALLIQUE, LIQUIDE DE TRAITEMENT DESTINE AU TRAITEMENT DE SURFACE, METHODE DE TRAITEMENT DE SURFACE ET MATERIAU METALLIQUE TRAITE EN SURFACE**
[72] YOSHIDA, MASAYUKI, JP
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[73] HENKEL AG & CO. KGAA, DE
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[54] **SYSTEM, METHOD AND APPARATUS FOR MEASURING BLOOD FLOW AND BLOOD VOLUME**
[54] **SYSTEME, PROCEDE ET APPAREIL PERMETTANT DE MESURER LE DEBIT SANGUIN ET LE VOLUME SANGUIN**
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[72] SIMON, AVRAM B., GB
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[54] **A LUBRICATING OIL ADDITIVE COMPOSITION AND METHOD OF MAKING THE SAME**
[54] **COMPOSE D'ADDITION D'HUILE LUBRIFIANTE ET METHODE DE FABRICATION CONNEXE**
[72] STOKES, CASEY D., US
[72] RUHIE, WILLIAM R., JR., US
[73] CHEVRON ORONITE COMPANY LLC, US
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[54] **GROUPAGE ADAPTATIF DE PARAMETRES ASSURANT UNE MEILLEURE EFFICACITE DE CODAGE**
[72] SPERSCHNEIDER, RALPH, DE
[72] HERRE, JUERGEN, DE
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[30] US (60/670,993) 2005-04-13
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[72] KOUL, ANIL, BE
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[54] **ANTENNE A BANDE ULTRA-LARGE DESTINEE A ETRE UTILISEE DANS DES TISSUS**
[72] SCHOENBACH, KARL H., US
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[54] **TRANSMISSION AND RECEPTION OF BROADCAST SYSTEM INFORMATION IN A MOBILE COMMUNICATION SYSTEM**
[54] **PROCEDE ET APPAREIL D'EMISSION ET DE RECEPTION D'INFORMATIONS RELATIVES A UN SYSTEME DE DIFFUSION DANS UN RESEAU DE COMMUNICATION MOBILE**
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[54] **TRAITEMENT ET COMPARAISON D'ORDONNANCES MEDICALES**
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[73] STRYKER CORPORATION, US
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[54] **GUIRLANDE LUMINEUSE AVEC DISPOSITIF DE DERIVATION AMELIORE**
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[72] CHEN, QI, CN
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[54] **UTILISATION DE COMPOSES A L'ARSENIC POUR LE TRAITEMENT DE LA DOULEUR ET DES INFLAMMATIONS**
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[54] **SYSTEME ET PROCEDE POUR EFFECTUER UN TEST DE PENETRATION SUR UNE APPLICATION**
[72] SOLINO TESTA, ALBERTO GUSTAVO, AR
[72] RICHARTE, GERARDO GABRIEL, AR
[72] RUSS, FERNANDO FEDERICO, AR
[72] KELLYACOUBIAN, DIEGO MARIN, AR
[72] FUTORANSKY, ARIEL, AR
[72] TISCORNIA, DIEGO BARTOLOME, AR
[72] WAISSBEIN, ARIEL, AR
[72] MANRIQUE, HECTOR ADRIAN, AR
[72] DE ACHA CAMPOS, JAVIER RICARDO, AR
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INTEGRATED OPTICAL AND
FLUID CONTROL ELEMENTS**
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ELEMENTS OPTIQUES ET DE
REGULATION DE FLUIDE
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[72] LIEDERMAN, ADAM BRIAN, CA
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[54] **SAS DISSYMETRIQUE POUR
MACHINE A LAINE A SOUFFLER**
[72] EVANS, MICHAEL E., US
[72] RELYEA, CHRISTOPHER M., US
[73] OWENS CORNING INTELLECTUAL
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[72] DOOLEY, KEVIN A., CA
[73] PRATT & WHITNEY CANADA
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[25] FR
[54] **HYDROCRACKING PROCESS
INCLUDING SWITCHABLE
REACTORS WITH FEEDSTOCK
CONTAINING 220 PPM WEIGHT -
2% ASPHALTENE WEIGHT**
[54] **PROCEDE D'HYDROCRAQUAGE
INCLUANT DES REACTEURS
PERMUTABLES AVEC DES
CHARGES CONTENANT 200 PPM
POIDS-2% POIDS
D'ASPHALTENES**
[72] VERSTRAETE, JAN, FR
[72] DULOT, HUGUES, FR
[72] BERTONCINI, FABRICE, FR
[72] SANCHEZ, ERIC, FR
[73] IFP ENERGIES NOUVELLES, FR
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ELECTRODE ASSEMBLIES FOR
USE AT OR NEAR TUBULAR
REGIONS OF THE HEART**
[54] **CATHETER COMPORTANT
PLUSIEURS ASSEMBLAGES
D'ELECTRODES POUR
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COEUR OU A PROXIMITE DE
CELLES-CI**
[72] GRUNEWALD, DEBBY ESTHER, US
[73] BIOSENSE WEBSTER, INC., US
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[54] **SYSTEME DE DETECTION PRECISE DU VOL DE CONSOMMATION D'ELECTRICITE**

[72] DE BUDA, ERIC GEORGE, CA

[73] GRID2020, INC., US

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[54] **METHODE DE GENERATION DE VAPEUR DANS UN LESSIVEUR D'UNE FABRIQUE DE PATE CHIMIQUE**

[72] TIKKA, PETRI, FI

[72] KAILA, JARMO, FI

[73] ANDRITZ INC., US

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[54] **DISPLAY METHOD, CORRESPONDING COMPUTER PROGRAM AND DEVICE**

[54] **METHODE ET PROGRAMME D'AFFICHAGE, ET DISPOSITIF CONNEXE**

[72] NACCACHE, DAVID, FR

[72] POLECHTCHOUK, PAVEL, FR

[73] INGENICO GROUP, FR

[86] (2692588)

[87] (2692588)

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[54] **TREATMENT OF PROGRESSIVE NEURODEGENERATIVE DISEASE WITH IBUDILAST**

[54] **TRAITEMENT D'UNE MALADIE NEURODEGENERATIVE PROGRESSIVE AVEC DE L'IBUDILAST**

[72] KALAFER, MICHAEL E., US

[72] LOCKE, KENNETH W., US

[72] MATSUDA, KAZUKO, US

[72] GAMMANS, RICHARD E., US

[73] MEDICINOVA, INC., US

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[54] **PROCEDE DE TEST D'UNE APPLICATION LOGICIELLE**

[72] BUARD, NADINE, FR

[72] MILLER, FLORENT, FR

[72] BOUGEROL, ANTONIN, FR

[72] HEINS, PATRICK, FR

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[54] **DISTRIBUTEUR MANUEL DE LIQUIDE AVEC GENERATEUR D'ELECTRICITE**

[72] OPHARDT, HEINER, CA

[73] GOTOHIT.COM INC., CA

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[54] **TRAITEMENT D'ADMISSIBILITE CONDITIONNEL POUR L'OBTENTION D'UN MOT DE CONTROLE**

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[72] BENEDETTI, ETTORE, NL

[72] VAN FOREEST, ARNOUD EVERT, NL

[72] WAJS, ANDREW AUGUSTINE, NL

[73] IRDETO B.V., NL

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[54] **EQUIPEMENT ET METHODE DE STABILISATION DE BANDE MOBILE PRESENTANT DES SECTIONS DE TRANSITION A LA SURFACE CONTIGUE A LA BANDE**
[72] KRAMER, GERALD, US
[72] CHAMBERLAND, ALAIN, CA
[72] CHANG, RUDY, CA
[72] RICHARDS, PAUL, AT
[72] BROSSARD, EDWARD, AT
[72] GUADAGNO, JOSEPH, AT
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[54] **TOUCH-FREE BIOMETRIC-ENABLED DISPENSER**
[54] **DISTRIBUTEUR A ACTIVATION BIOMETRIQUE SANS CONTACT**
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[73] GOJO INDUSTRIES, INC., US
[86] (2696382)
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[54] **HIGH TEMPERATURE ADDITIVE MANUFACTURING SYSTEMS FOR MAKING NEAR NET SHAPE AIRFOIL LEADING EDGE PROTECTION, AND TOOLING SYSTEMS THEREWITH**
[54] **SYSTEMES DE FABRICATION D'ADDITIF A HAUTE TEMPERATURE POUR LA PRODUCTION DE PROTECTION DE BORD D'ATTAQUE D'AUBES QUASI FINI, SYSTEMES D'OUTILLAGE CONNEXES**
[72] PERETTI, MICHAEL W., US
[72] TRAPP, TIMOTHY, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **DOXERCALCIFEROL STABILISE ET PROCEDE POUR LE PRODUIRE**
[72] MCGOWAN, GRAHAM, CA
[72] GORIN, BORIS IVANOVICH, CA
[73] ALPHORA RESEARCH INC., CA
[86] (2698160)
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[54] **SYSTEM AND METHOD FOR INTELLIGENT TUNING OF KALMAN FILTERS FOR INS/GPS NAVIGATION APPLICATIONS**
[54] **SYSTEME ET PROCEDE POUR AFFINAGE INTELLIGENT DE FILTRES DE KALMAN POUR DES APPLICATIONS DE NAVIGATION INS/GPS**
[72] EL-SHEIMY, NASER, CA
[72] GOODALL, CHRIS, CA
[73] TRUSTED POSITIONING INC., CA
[85] 2010-04-01
[86] 2008-10-06 (PCT/CA2008/001780)
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[54] **RAPID-ACTING, BLOOD-ARGININE-LEVEL-INCREASABLE ORAL PREPARATION COMPRISING CITRULLINE AND ARGININE**
[54] **PREPARATION ORALE A ACTION RAPIDE POUVANT AUGMENTER LE TAUX D'ARGININE DANS LE SANG CONTENANT DE LA CITRULLINE ET DE L'ARGININE**
[72] OCHIAI, MASAYUKI, JP
[72] MORISHITA, KOJI, JP
[72] HAYASHI, TOSHIO, JP
[73] KYOWA HAKKO BIO CO., LTD., JP
[73] NATIONAL UNIVERSITY CORPORATION NAGOYA UNIVERSITY, JP
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[54] **PROCEDES INFORMATIQUES DE CONCEPTION DE GENE SYNTHETIQUE**
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[73] ATHENIX CORPORATION, US
[85] 2010-04-08
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[73] YUAN-MEI CORP., TW
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[54] **PROCEDES ET APPAREIL POUR CREER UNE BASE DE DONNEES DE REFERENCE DE MESURES MULTIMEDIA A PARTIR D'UNE PLURALITE DE SOURCES DISTRIBUEES**
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[72] CURTIS, CHRISTIAN, US
[73] THE NIELSEN COMPANY (US), LLC, US
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[13] C

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[54] **BLOCCAGE DE CANAUX DE COMMUNICATION SANS FIL**
[72] BIJUSHIAN, NAGA, US
[72] KHANDEKAR, AAMOD, US
[72] PALANKI, RAVI, US
[73] QUALCOMM INCORPORATED, US
[85] 2010-04-26
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[13] C

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[54] **APPAREIL ET PROCEDE DE DEPOT ELECTROCHIMIQUE**
[72] NEWMAN, PETER MICHAEL, AU
[72] HODGES, ALASTAIR M., AU
[73] UNIVERSAL BIOSENSORS PTY LTD, AU
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[54] **SYSTEMES ET PROCEDES PERMETTANT DE DETERMINER DES CONTRAINTES ACTIVES DANS UN RESEAU A L'AIDE DE VARIABLES D'ECART**
[72] LU, QIN, US
[72] WATTS, JAMES WILLIAM, III, US
[72] FLEMING, GRAHAM, US
[73] LANDMARK GRAPHICS CORPORATION, A HALLIBURTON COMPANY, US
[85] 2010-04-22
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[54] **SYSTEME DE DETECTION DES FUITES DE TURBINE EOLIENNE**
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[54] **DISPOSITIF ET METHODE D'EGALISATION DES TEMPERATURES DES PLAQUES DE SORTIE DES FLUIDES CHAUDS DES ECHANGEURS DE CHALEUR**
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[54] **METHODE D'EXPLORATION DE LA QUALITE INTERNE D'ELEMENTS LIGNEUX PRESENTANT UN SENS PRINCIPAL DE PROLONGEMENT, COMME LES BILLES DE BOIS OU LES MADRIERS**
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[54] **COMPOSITION A BASE D'UN OXYDE DE ZIRCONIUM, D'UN OXYDE DE TITANE OU D'UN OXYDE MIXTE DE ZIRCONIUM ET DE TITANE SUR UN SUPPORT EN ALUMINE OU EN OXYHYDROXYDE D'ALUMINIUM, PROCEDES DE PREPARATION ET UTILISATION COMME CATALYSEUR**
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- [54] **COMPOSITIONS MONOCOMPOSE (D' HYDROXYPYRONE DE FER) ET DE COMBINAISON (D'HYDROXYPYRONE DE FER ET D'AGENTS INHIBITEURS D'INFLAMMATION GASTRO-INTESTINALES) POUR LUTTER CONTRE L'ANEMIE OU DES INFECTIONS PAR H. PYLORI**
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- [72] BARYSHNIKOV, ANATOLY URIEVICH, RU
- [72] MAGANOVA, FANIA IRSHATOVNA, RU
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[72] GABRIELS, JOSEPH PHILIP, BE

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METHOD**
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[54] **APPAREIL ET PROCEDE PERMETTANT LA CONVERSION, AU MOYEN DE MATERIAUX FERROELECTRIQUES, DE CHALEUR EN ENERGIE ELECTRIQUE**
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[73] THE NEOTHERMAL ENERGY COMPANY, US
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[73] SEE AGAIN EUROPE LIMITED, GB
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[72] TOMANTSCHIGER, KLAUS, CA
[72] MCCREA, JONATHAN, CA
[72] NAGARAJAN, NANDAKUMAR, CA
[72] GONZALEZ, FRANCISCO, CA
[72] PALUMBO, GINO, CA
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[54] **COUSSINS/TAMPONS CONDUCTEURS COMPOSITES POUR LA STIMULATION ELECTRIQUE NERVEUSE/MUSCULAIRE APPLIQUEE EN SURFACE**
[72] CHU, JENNIFER, US
[73] JUSJAS LLC, US
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[72] HOWLAND, PAUL, GB
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[54] **ENSEMBLE CHASSE-NEIGE**
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[54] **PROCEDE DE FABRICATION DE MATIERE PARTICULAIRE**

[72] CUYPERS, JEAN MARIE
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[72] LAMBIE, STUART, GB

[73] ROCKWOOL INTERNATIONAL A/S, DK

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[54] **COMPOSE AYANT UNE ACTIVITE DE CONTRACTION MUSCULAIRE DU DETRUSOR ET UNE ACTIVITE DE RELAXATION MUSCULAIRE DU SPHINCTER URETRAL**

[72] OHMOTO, KAZUYUKI, JP

[72] KINOSHITA, AKIHIRO, JP

[72] MATSUYA, HIDEKAZU, JP

[72] OKADA, HIROKI, JP

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[54] **POMPE HYDRAULIQUE**

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[73] MAGIC TAP, LLC, US

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[54] **TERPOLYMERE ETHYLENE/ACETATE DE VINYLE/ESTERS INSATURES COMME ADDITIF AMELIORANT LA TENUE A FROID DES HYDROCARBURES LIQUIDES COMME LES DISTILLATS MOYENS ET LES CARBURANTS OU COMBUSTIBLES**

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[72] DALIX, LAURENT, FR

[72] TORT, FREDERIC, FR

[73] TOTAL RAFFINAGE MARKETING, FR

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[54] **EXPLOITATION MINIERE SOUTERRAINE**

[72] DELABBIO, FREDRIC CHRISTOPHER, AU

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[73] TECHNOLOGICAL RESOURCES PTY. LIMITED, AU

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[54] **PHARMACEUTICAL COMPOSITION FOR EMERGENCY CONTRACEPTION**

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[72] LINDENTHAL, BERNHARD, DE

[72] SCHUERMANN, ROLF, DE

[72] GENERAL, SASCHA, DE

[73] BAYER INTELLECTUAL PROPERTY GMBH, DE

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[72] KARIM, KARIM S., CA
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[73] UNIVERSITY OF WATERLOO, CA
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[73] GROENDAL, MARK L., US
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[72] BRINKDOPKE, ANDREW DALE, US
[72] FULSCHER, RYAN LESLIE, US
[72] SCHLAUPITZ, ROBERT SAMUEL, US
[72] COWELL, CHRISTINE MARIE, US
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[72] BRADLEY, ELIZABETH ORIEL, US
[73] KIMBERLY-CLARK WORLDWIDE, INC., US
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[54] **EQUIPEMENT ELECTRIQUE CONTENANT UNE HUILE DIELECTRIQUE A BASE D'ACIDE ERUCIQUE**
[72] LOPES, JOSE HUMBERTO, BR
[72] MAHONEY, DAVID V., US
[72] GARCIA-RAMIREZ, RAFAEL, US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
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[54] **CALE AMORTISSEUSE DE VIBRATIONS POUR AUBE DE SOUFFLANTE**
[72] BILZ, LAURENT, FR
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[72] REGHEZZA, PATRICK JEAN-LOUIS, FR
[72] TRAN, JULIEN, FR
[73] SNECMA, FR
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[54] **APPAREIL D'ABSORPTION DES CHOCS A DOUBLE EFFET DESTINE A UN SYSTEME DE SUSPENSION D'UN VEHICULE TOUT TERRAIN LOURD**
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[54] **PROTECTION D'UN DISPERSANT PENDANT UN BROyage**

[72] NARANJO, HORACIO, FR
[72] BARBARULO, REMI, FR
[72] CHAUMILLIAT, CHRISTINE, FR
[72] MOSQUET, MARTIN, FR
[72] RAYANE, MARCEL, FR
[73] LAFARGE, FR
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[54] **MATERIAU DE DIAMANT POLYCRISTALLIN PRESENTANT UNE TENACITE ELEVEE ET UNE HAUTE RESISTANCE A L'USURE**

[72] BELLIN, FEDERICO, US
[72] FANG, YI, US
[72] STEWART, MICHAEL, US
[72] MOURIK, NEPHI A., US
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[72] ROCKWELL, ANTHONY, US
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
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[54] **METHOD FOR PRODUCING A CRYSTALLINE SOLID FROM GLYCINE-N, N-DIACETIC ACID DERIVATIVES WITH SUFFICIENTLY REDUCED HYGROSCOPICITY**

[54] **PROCEDE DE PRODUCTION D'UN SOLIDE CRISTALLIN A PARTIR DE DERIVES DE L'ACIDE GLYCINE-N, N-DIACETIQUE A HYGROSCOPICITE SUFFISAMMENT FAIBLE**

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[73] BASF SE, DE
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[54] **APPAREIL ET PROCEDE D'ACCOUPLEMENT ETROIT DE GENERATEURS DE VAPEUR A RECUPERATION DE CHALEUR AVEC DES TURBINES A GAZ**

[72] BAUVER, WESLEY P., II, US
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[72] LIVERMORE, ROBERT, US
[72] YEATON, AARON, US
[72] PERRIN, IAN J., US
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[54] **SYSTEMES ET PROCEDES DE CAPTURE D'IMAGES DE GRANDE SURFACE EN DETAIL COMPRENANT DES CAMERAS EN CASCADE ET/OU DES ELEMENTS D'ETALONNAGE**

[72] NIXON, STUART WILLIAM, AU
[73] NEARMAP AUSTRALIA PTY LTD, AU
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[54] **STATION DE COMMANDE D'ECHANTILLONNAGE POUR UNE INSTALLATION DE REMPLISSAGE DE BOUTEILLES OU DE CONTENANTS**
[72] FORESTELLI, FABIO, IT
[72] CIRIO, ALBERTO, IT
[73] FT SYSTEM S.R.L., IT
[73] AROL S.P.A., IT
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[72] BRAND, OLIVIER, US
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[72] GRONOWSKI, ADAM, CA
[72] KREUDER, CARSTEN, CA
[72] LOVEGROVE, JOHN, CA
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[73] ALLOS THERAPEUTICS, INC., US
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- [54] **DISPOSITIF DE COMMANDE DE L'ORIENTATION DES PALES DE SOUFFLANTE D'UN TURBOPROPULSEUR PAR CONTREPOIDS**
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- [54] **PROCEDE ET SYSTEME DE SYNCHRONISATION PRECISE D'UNE HORLOGE PAR L'INTERACTION ENTRE DES COUCHES ET DES SOUS-COUCHES DE COMMUNICATION POUR DES SYSTEMES DE COMMUNICATION**
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[72] HSU, JU-LAN, US
[72] NGO, CHIU, US
[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[72] DOWDALL, FERN, GB
[73] DE LA RUE INTERNATIONAL LIMITED, GB
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[13] C

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[54] **METHOD OF DISTRIBUTED LAYOUT NEGOTIATION IN A USER INTERFACE FRAMEWORK**
[54] **METHODE DE NEGOCIATION DE PRESENTATION DISTRIBUEE SUR UN CADRE D'INTERFACE UTILISATEUR**
[72] ANDERSSON, JENS OLA, SE
[72] MAANSSON, ERIK MAGNUS, SE
[73] BLACKBERRY LIMITED, CA
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[54] **PLUG-IN CIRCUIT BREAKER ASSEMBLY**
[54] **ENSEMBLE DISJONCTEUR DE CIRCUIT ENFICHABLE**
[72] MILLS, PATRICK W., US
[72] MCCORMICK, JAMES M., US
[72] HANLEY, KEVIN F., US
[72] BUDD, TIMOTHY R., US
[73] LABINAL, LLC, US
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[30] US (12/748,639) 2010-03-29

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[25] EN
[54] **SYSTEM AND METHOD FOR PROTECTING CRYPTOGRAPHIC ASSETS FROM A WHITE-BOX ATTACK**
[54] **SYSTEME ET PROCEDE DE PROTECTION D'ACTIFS CRYPTOGRAPHIQUES CONTRE UNE ATTAQUE EN BOITE BLANCHE**
[72] SUI, JIAYUAN, CA
[72] EISEN, PHILIP ALLAN, CA
[72] MUIR, JAMES, CA
[72] MURDOCK, DANIEL ELIE, CA
[73] IRDETO B.V., NL
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[11] 2,794,264
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[25] EN
[54] **DEVICE FOR INJECTING AT LEAST ONE CHEMICAL SUBSTANCE AND/OR PREPARATION INTO TREES AND/OR PALMACEAE AND APPLICATION METHOD THEREOF**
[54] **DISPOSITIF D'INJECTION D'AU MOINS UNE SUBSTANCE ET/OU PREPARATION CHIMIQUE DANS DES ARBRES ET/OU DES PALMACEES, METHODE D'APPLICATION**
[72] BARBADO MONTERO, JUAN JESUS, ES
[73] FERTINJECT, S.L., ES
[85] 2012-09-24
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[25] EN
[54] **RESIN COMPOSITION, MOLDED ARTICLE, MULTILAYERED PIPE AND METHOD FOR PRODUCING THE SAME**
[54] **COMPOSITION DE RESINE, ARTICLE MOULE, TUYAU MULTICOUCHE ET PROCEDE POUR PRODUIRE CELUI-CI**
[72] KAZETO, OSAMU, JP
[72] HIROSE, WATARU, JP
[73] KURARAY CO., LTD., JP
[85] 2012-09-26
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[54] **REMOVABLE DOWEL CONNECTOR AND SYSTEM AND METHOD OF INSTALLING AND REMOVING THE SAME**
[54] **CONNECTEUR DE GOIJON AMOVIBLE ET SES SYSTEME ET METHODE D'INSTALLATION ET DE RETRAIT**
[72] SMITH, PETER, US
[73] SMITH, PETER, US
[86] (2794784)
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[54] **BIOSENSOR**
[54] **BIOCAPTEUR**
[72] NISHIWAKI, NAOHIDE, JP
[72] MIYAMOTO, SHOICHI, JP
[72] INAGAWA, AKITSUGU, JP
[72] MURASE, HIRONOBU, JP
[73] CCI CORPORATION, JP
[73] ULTIZYME INTERNATIONAL LTD., JP
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[25] EN
[54] **SIGNALING OF PRECODING GRANULARITY FOR LTE AND LTE-A**
[54] **SIGNALISATION D'UNE GRANULARITE DE PRECODAGE POUR UN SYSTEME D'EVOLUTION A LONG TERME (LTE) OU UN SYSTEME AVANCE D'EVOLUTION A LONG TERME (LTE-A)**
[72] CAI, ZHIJUN, US
[72] EARNSHAW, ANDREW MARK, CA
[72] FONG, MO-HAN, CA
[72] HEO, YOUN HYOUNG, CA
[72] YU, DONGSHENG, CA
[72] XU, HUA, CA
[73] BLACKBERRY LIMITED, CA
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[54] **FLIGHT PLANNING METHODS AND SYSTEMS**
[54] **PROCEDES ET SYSTEMES DE PREPARATION DES PLANS DE VOL**
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[72] HOOD, TIMOTHY, GB
[72] HUBBARD, ADRIAN CHRISTOPHER, GB
[73] BAE SYSTEMS PLC, GB
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[54] **CONTINUOUS PROCESS FOR FRACTIONING, COMBINATION, AND RECOMBINATION OF ASPHALT COMPONENTS FOR PELLETIZATION AND PACKAGING OF ASPHALT AND ASPHALT-CONTAINING PRODUCTS**
[54] **PROCEDE CONTINU POUR LE FRACTIONNEMENT, LA COMBINAISON ET LA RECOMBINAISON DE COMPOSANTS ASPHALTIQUES POUR LE BOULETAGE ET LE CONDITIONNEMENT D'ASPHALTE ET DE PRODUITS A BASE D'ASPHALTE**
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[72] BOLTON, JOHN, US
[73] GALA INDUSTRIES, INC., US
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[25] EN
[54] **INSTRUMENT FOR CREATING A CONTROLLED CAPSULORHEXIS FOR CATARACT SURGERY**
[54] **INSTRUMENT SERVANT A CREER UN CAPSULORHEXIS CONTROLE EN VUE D'UNE CHIRURGIE DE CATARACTE**
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[73] MEDINA, RAFAEL, US
[85] 2012-10-23
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[54] **INPUT GESTURES USING DEVICE MOVEMENT**
[54] **GESTES D'ENTREE AU MOYEN D'UN MOUVEMENT DE DISPOSITIF**
[72] CROUGHWELL, WILLIAM JOSEPH, US
[73] BLACKBERRY LIMITED, CA
[86] (2797345)
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[30] EP (11191419.8) 2011-11-30

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[54] **RAILWAY VEHICLE**
[54] **VEHICULE DE CHEMIN DE FER**
[72] ISHIZUKA, TAKASHI, JP
[72] KURODA, MASARU, JP
[72] NAKAO, KOJI, JP
[72] SASSA, TAKAMITSU, JP
[73] NIPPON SHARYO, LTD., JP
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[25] EN
[54] **PLUG-TYPE CONNECTOR WITH A RADially ACTING LATCHING DEVICE**
[54] **CONNECTEUR DE TYPE BOUCHON DOTE D'UN MECANISME DE VERROU AGISSANT RADIALEMENT**
[72] BLAKBORN, WILLEM, DE
[72] WINTERHOLLER, WALDEMAR, DE
[73] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG, DE
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[54] **DISCONNECT HOUSING FOR USE IN AUTOMATION SYSTEMS**
[54] **BOITIER DE DECONNEXION A UTILISER DANS SYSTEMES D'AUTOMATISATION**
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[73] BILSING AUTOMATION NORTH AMERICA, US
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[54] **SYSTEMES ET PROCEDES AMELIORES D'EMBRASURES DE BAIE DE FENETRE**
[72] MATTA, GREG, US
[73] PERFECT WINDOW REVEAL, LLC, US
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[13] C

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[72] HECKENKAMP, DANIEL P., US
[72] NAIVA, MATTHEW W., US
[72] KURLAND, THOMAS F., US
[73] EATON CORPORATION, US
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[13] C

[51] **Int.Cl. H04W 72/04 (2009.01) H04W 88/08 (2009.01) H04W 88/12 (2009.01) H04B 17/30 (2015.01)**
[25] EN
[54] **CAPACITY INCREASING DEVICES AND METHODS FOR WIRELESS COMMUNICATION**
[54] **DISPOSITIFS ET PROCEDES POUR AUGMENTER LA CAPACITE DE COMMUNICATIONS SANS FIL**
[72] YU, ZHIL-ZHONG, US
[72] DHANDA, MUNGAI SINGH, US
[72] AGARWAL, MUKUND, US
[72] WALKER, SIMON JAMES, US
[73] QUALCOMM INCORPORATED, US
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[87] (2803437)
[22] 2008-09-12
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[30] US (60/971,851) 2007-09-12
[30] US (60/974,422) 2007-09-21
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[30] GB (0806385.1) 2008-04-08
[30] US (61/090,544) 2008-08-20

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[54] **SYSTEMS AND METHODS FOR CRANIAL IMPLANT ASSEMBLY ADAPTED FOR INSERTION DURING CRANIECTOMY PROCEDURE**
[54] **SYSTEMES ET PROCEDES POUR ENSEMBLE IMPLANT CRANIEN CONCU POUR ETRE INTRODUIT PENDANT UNE CRANIECTOMIE**
[72] TIGNO, TEODORO ACLAN, JR., US
[73] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
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[86] 2011-07-29 (PCT/US2011/045992)
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[30] US (61/369,403) 2010-07-30

[11] **2,804,627**
[13] C

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[25] EN
[54] **A GAS PRESSURIZED SEPARATION COLUMN AND PROCESS TO GENERATE A HIGH PRESSURE PRODUCT GAS**
[54] **COLONNE DE SEPARATION SOUS PRESSION DE GAZ ET PROCEDE POUR GENERER UN GAZ DE PRODUIT A HAUTE PRESSION**
[72] CHEN, SHIAO GUO, US
[72] PAN, ZIJIANG, US
[73] CARBON CAPTURE SCIENTIFIC, LLC, US
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[30] US (12/833,906) 2010-07-09

[11] **2,807,082**
[13] C

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[25] EN
[54] **CRYSTALLINE FORM OF PYRIMIDO[6,1-A]ISOQUINOLIN-4-ONE COMPOUND**
[54] **FORME CRISTALLINE DU COMPOSE PYRIMIDO[6,1-A]ISOQUINOLIN-4-ONE**
[72] WALKER, MICHAEL, J., A., CA
[72] PLOUVIER, BERTRAND, M., C., CA
[72] NORTIEN, JULIAN, S., GB
[72] FERNANDES, PHILIPPE, GB
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[25] EN
[54] **TIDAL ADJUSTMENT ARRANGEMENT FOR A WAVE ENERGY RECOVERY SYSTEM**
[54] **AGENCEMENT D'AJUSTEMENT A LA MAREE POUR SYSTEME DE RECUPERATION DE L'ENERGIE DES VAGUES**
[72] JAERVINEN, ARVO, FI
[72] KOIVUSAARI, RAUNO, FI
[73] AW-ENERGY OY, FI
[85] 2013-02-04
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[11] **2,807,451**
[13] C

[51] **Int.Cl. F03B 13/18 (2006.01) F03B 15/00 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR A SURFACE AREA ADJUSTMENT OF A RECIPROCATING WING SYSTEM IN A WAVE ENERGY RECOVERY SYSTEM**
[54] **SYSTEME D'AJUSTEMENT DE LA SURFACE ACTIVE D'UN SYSTEME D'AILES A MOUVEMENT DE VA-ET-VIENT DANS UN SYSTEME DE RECUPERATION DE L'ENERGIE DES VAGUES**
[72] JAERVINEN, ARVO, FI
[72] KOIVUSAARI, RAUNO, FI
[73] AW-ENERGY OY, FI
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[51] **Int.Cl. F24C 7/08 (2006.01) F24C 7/02 (2006.01)**
[25] EN
[54] **IMPINGEMENT/CONVECTION/MICROWAVE OVEN AND METHOD FOR A JETS D'AIR/CONVECTION/MICRO-ONDES ET PROCEDE ASSOCIE**
[72] CLAESSE, JAN, US
[72] STANGER, KEITH, US
[72] THORNEYWORK, NIGEL, GB
[72] BROWN, ANDREW, GB
[72] CRAYFOUND, DAVID, GB
[72] HARTER, DAVID, US
[72] DAY, WILLIAM, US
[73] ENODIS CORPORATION, US
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[11] **2,809,066**
[13] C

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[25] EN
[54] **L-SHAPED SHEETMETAL ANCHOR WITH TUBULAR LEG AND ANCHORING ASSEMBLY**
[54] **DISPOSITIF D'ANCRAGE EN TOLE EN FORME DE L AVEC PATTE TUBULAIRE ET SYSTEME D'ANCRAGE**
[72] HOHMANN, RONALD P., JR., US
[73] MITEK HOLDINGS, INC., US
[86] (2809066)
[87] (2809066)
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[30] US (13/426,002) 2012-03-21

[11] **2,809,318**
[13] C

[51] **Int.Cl. H04B 10/071 (2013.01) H04J 14/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING FIBER FAULT IN PASSIVE OPTICAL NETWORK**
[54] **PROCEDE ET SYSTEME DE DETECTION D'UNE DEFAILLANCE D'UNE FIBRE SUR UN RESEAU OPTIQUE PASSIF**
[72] BEI, JINSONG, CN
[72] XU, JIDONG, CN
[72] SU, JIE, CN
[72] LU, JIANXIN, CN
[73] ZTE CORPORATION, CN
[85] 2013-02-25
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[11] **2,809,771**
[13] C

[51] **Int.Cl. B01D 53/62 (2006.01) B01D 53/14 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TREATING EXHAUST GAS CONTAINING CARBON DIOXIDE**
[54] **METHODE ET DISPOSITIF DE TRAITEMENT DES GAZ D'ECHAPPEMENT RENFERME DU DIOXYDE DE CARBONE**
[72] YOKOYAMA, KOICHI, JP
[72] TAKAMOTO, SHIGEHITO, JP
[72] MIYAMOTO, EIJI, JP
[72] ODA, NAOKI, JP
[73] MITSUBISHI HITACHI POWER SYSTEMS, LTD., JP
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[13] C

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[25] FR

[54] **POLYMER CLEANING COMPOUND WITH A DMSO BASE AND AT LEAST ONE AMINE**

[54] **COMPOSITION DE NETTOYAGE DE POLYMERES A BASE DE DMSO ET D'AU MOINS UNE AMINE**

[72] VAUTHRIN, MELANIE, FR

[72] MONGUILLON, BERNARD, FR

[72] SCHMITT, PAUL GUILLAUME, FR

[73] ARKEMA FRANCE, FR

[85] 2013-02-27

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[13] C

[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 17/20 (2006.01)**

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[54] **METHODS AND DEVICES FOR GENERATING AN ACTION ITEM SUMMARY**

[54] **PROCEDES ET DISPOSITIFS DE GENERATION DE RESUME DES MESURES A PRENDRE**

[72] BORG, CARL M., US

[72] OLSSON, LARS J.A., US

[72] NEUMANN, JOHN C., US

[73] BLACKBERRY LIMITED, CA

[86] (2810193)

[87] (2810193)

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[30] US (13/472,295) 2012-05-15

[11] 2,811,091
[13] C

[51] **Int.Cl. A61K 31/7105 (2006.01) A61K 9/127 (2006.01) A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 39/395 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **A METHOD FOR INHIBITING ALTERNATIVE PATHWAY MEDIATED DISORDERS WITH ANTI-PROPERDIN ANTIBODIES THAT INHIBIT C5 INTERACTIONS WITH PROPERDIN**

[54] **PROCEDE POUR L'INHIBITION DE TROUBLES A MEDIATION PAR LA VOIE ALTERNATIVE PAR DES ANTICORPS ANTI-PROPERDINE QUI INHIBENT LES INTERACTIONS DE C5 AVEC LA PROPERDINE**

[72] BANSAL, REKHA, US

[73] NOVELMED THERAPEUTICS, INC., US

[85] 2013-03-11

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[30] US (61/309,705) 2010-03-02

[11] 2,811,492
[13] C

[51] **Int.Cl. G01V 1/38 (2006.01) G01V 1/24 (2006.01)**

[25] EN

[54] **MARINE SEISMIC SURVEY SYSTEMS AND METHODS USING AUTONOMOUSLY OR REMOTELY OPERATED VEHICLES**

[54] **SYSTEMES ET PROCEDES DE RELEVES SISMIQUES MARINS UTILISANT DES VEHICULES AUTONOMES OU TELECOMMANDES**

[72] MUYZERT, EVERHARD, GB

[72] COOPER, IAIN, US

[72] BITTLESTON, SIMON, GB

[72] COMBEE, LEENDERT, NO

[72] ROSS, ROBERT, GB

[72] WELKER, KENNETH E., NO

[72] KOTOCHIGOV, EDWARD, GB

[73] SCHLUMBERGER CANADA LIMITED, CA

[85] 2013-03-15

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[87] (WO2012/036814)

[30] US (61/383,940) 2010-09-17

[30] US (61/413,217) 2010-11-12

[30] US (61/440,136) 2011-02-07

[30] US (13/209,250) 2011-08-12

[11] 2,812,026
[13] C

[51] **Int.Cl. G01N 11/14 (2006.01) G01L 3/02 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR CONTINUOUS COMPATIBILITY TESTING OF SUBTERRANEAN FLUIDS AND THEIR COMPOSITIONS UNDER WELLBORE CONDITIONS**

[54] **APPAREIL ET METHODES DE TEST CONTINU DE COMPATIBILITE DE FLUIDES SOUTERRAINS ET DE LEURS COMPOSITIONS DANS DES CONDITIONS DE Puits DE FORAGE**

[72] PINDIPROLU, SAIRAM K. S., IN

[72] GRAY, DENNIS WILLIE, US

[72] BALARAMAN, BALASUNDARAM, IN

[72] GORDON, CHRISTOPHER LYNN, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2013-02-25

[86] 2011-08-22 (PCT/GB2011/001260)

[87] (WO2012/025718)

[30] US (12/869,447) 2010-08-26

[11] 2,812,322
[13] C

[51] **Int.Cl. G01D 4/02 (2006.01) H04L 12/70 (2013.01) G07C 1/10 (2006.01) H04L 7/00 (2006.01) H04W 56/00 (2009.01) H04W 80/00 (2009.01)**

[25] EN

[54] **TIME DIVERSIFIED PACKET PROTOCOL**

[54] **PROTOCOLE DE TRANSFERT DE PAQUETS DE DONNEES TENANT COMPTE DU TEMPS ECOULE**

[72] BRENNAN, WILLIAM J., JR., US

[72] QUENTIN, JOSEPH, US

[73] NEPTUNE TECHNOLOGY GROUP, INC., US

[86] (2812322)

[87] (2812322)

[22] 2013-03-28

[30] US (13/438545) 2012-04-03

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[13] C
- [51] Int.Cl. F16L 9/12 (2006.01) F16L 11/10 (2006.01)
[25] EN
[54] **MULTILAYER REINFORCED POLYMERIC PIPE AND SYSTEM OF PIPES FOR WATER TRANSPORTATION**
[54] **TUYAU POLYMERE RENFORCE A COUCHES MULTIPLES ET SYSTEME DE TUYAUX**
[72] GORILOVSKIY, MIRON ISAAKOVICH, RU
[72] SHIVABAUER, VLADIMIR VASILYEVICH (DECEASED), RU
[72] SHMELEV, ALEKSANDR YURYEVICH, RU
[72] KOVRIGA, VLADISLAV VITALYEVICH, RU
[72] SAMOILOV, SERGEY VASILYEVICH, RU
[72] GVOZDEV, IGOR VASILYEVICH, RU
[73] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "GRUPPA POLYMERTEPLO", RU
[85] 2013-03-19
[86] 2011-10-07 (PCT/RU2011/000788)
[87] (WO2012/070985)
[30] RU (2010141067) 2010-10-07

- [11] 2,815,914
[13] C
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[25] EN
[54] **REACTOR FOR RECOVERING PHOSPHATE SALTS FROM A LIQUID**
[54] **REACTEUR POUR RECUPERER DES SELS DE PHOSPHATES CONTENUS DANS UN LIQUIDE**
[72] BILBAO, JENNIFER, DE
[72] BRYNIOK, DIETER, DE
[72] CAMPOS, ALEJANDRA, DE
[72] EGNER, SIEGFRIED, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2013-04-25
[86] 2011-10-31 (PCT/EP2011/069119)
[87] (WO2012/059465)
[30] DE (10 2010 050 692.3) 2010-11-06

- [11] 2,816,787
[13] C
- [51] Int.Cl. H04W 88/06 (2009.01) H04W 12/06 (2009.01) H04W 84/18 (2009.01) H04B 5/00 (2006.01)
[25] EN
[54] **COMMUNICATIONS SYSTEM PROVIDING REMOTE ACCESS VIA MOBILE WIRELESS COMMUNICATIONS DEVICE AND RELATED METHODS**
[54] **SYSTEME DE COMMUNICATION OFFRANT UN ACCES A DISTANCE PAR LE BIAIS D'UN APPAREIL DE COMMUNICATION SANS FIL MOBILE ET METHODES CONNEXES**
[72] ROSE, SCOTT DOUGLAS, CA
[72] MOOSAVI, VAHID, CA
[72] ROGAN, MICHAEL JOHN, CA
[73] BLACKBERRY LIMITED, CA
[86] (2816787)
[87] (2816787)
[22] 2013-05-28
[30] EP (12171372.1) 2012-06-08

- [11] 2,816,817
[13] C
- [51] Int.Cl. H02J 13/00 (2006.01) H01H 47/36 (2006.01) H02B 1/24 (2006.01)
[25] EN
[54] **DISTRIBUTED ENERGY SYSTEM DISCONNECT SWITCH WITH MECHANICAL ISOLATION**
[54] **COMMUTATEUR DE DECONNEXION DE SYSTEME D'ENERGIE REPARTIE AVEC ISOLATION MECANIQUE**
[72] PFITZER, HANS-ERIK, US
[73] THOMAS & BETTS INTERNATIONAL, INC., US
[86] (2816817)
[87] (2816817)
[22] 2013-05-24
[30] US (13/479,867) 2012-05-24

- [11] 2,818,946
[13] C
- [51] Int.Cl. F02F 7/00 (2006.01) F01L 9/02 (2006.01)
[25] EN
[54] **CYLINDER HEAD COVER MODULE WITH INTEGRATED VALVE TRAIN**
[54] **MODULE DE COUVERCLE DE CULASSE A SOUPAPE D'ECHAPPEMENT INTEGREE**
[72] SANDS, RICHARD H., US
[72] FALKOWSKI, ALAN G., US
[73] CHRYSLER GROUP LLC, US
[85] 2013-05-23
[86] 2011-12-19 (PCT/US2011/065846)
[87] (WO2012/094142)
[30] US (12/984,808) 2011-01-05

- [11] 2,821,022
[13] C
- [51] Int.Cl. C07K 7/08 (2006.01) C07K 16/18 (2006.01) C12N 5/18 (2006.01) G01N 33/53 (2006.01)
[25] EN
[54] **A MONOCLONAL ANTIBODY AGAINST P28GANK, THE POLYPEPTIDE USED TO PREPARE THIS ANTIBODY AND THEIR APPLICATIONS**
[54] **ANTICORPS MONOCLONAL CONTRE LE P28GANK, LE POLYPEPTIDE UTILISE POUR PREPARER CET ANTICORPS ET LEURS APPLICATIONS**
[72] WANG, HONGYANG, CN
[72] CHEN, YAO, CN
[72] FU, JING, CN
[72] HU, DONGPING, CN
[72] LUO, TAO, CN
[72] DONG, LIWEI, CN
[73] THE SECOND MILITARY MEDICAL UNIVERSITY, THE PEOPLE'S LIBERATION ARMY, CN
[85] 2013-06-10
[86] 2011-12-09 (PCT/CN2011/083760)
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[13] C

[51] **Int.Cl.** A61L 9/01 (2006.01) A61L 9/014 (2006.01) A61L 15/46 (2006.01) C11D 3/00 (2006.01) C11D 3/50 (2006.01)

[25] EN

[54] **COMPOSITIONS COMPRISING HYDROPHOBICALLY MODIFIED MALODOR CONTROL POLYMERS**

[54] **COMPOSITIONS COMPRENANT DES POLYMERES AGISSANT CONTRE LES MAUVAISES ODEURS A MODIFICATION HYDROPHOBE**

[72] WOO, RICKY AH-MAN, US

[72] EYLEM, CAHIT, US

[72] GIZAW, YONAS, US

[72] AZIRBAYEVA, LARISSA, US

[72] LIU, ZAIYOU, US

[72] DUPONT, JEFFREY SCOTT, US

[73] THE PROCTER & GAMBLE COMPANY, US

[85] 2013-07-15

[86] 2012-01-11 (PCT/US2012/020886)

[87] (WO2012/097034)

[30] US (13/006,615) 2011-01-14

[11] 2,825,065
[13] C

[51] **Int.Cl.** F16J 1/00 (2006.01) F04B 53/14 (2006.01) F02F 3/00 (2006.01)

[25] EN

[54] **RECIPROCATING PISTON FOR A RECIPROCATING PISTON ENGINE AND RECIPROCATING PISTON ENGINE, AND CYLINDER OF A RECIPROCATING PISTON ENGINE**

[54] **PISTON ALTERNATIF POUR MOTEUR A PISTON ALTERNATIF, ET MOTEUR A PISTON ALTERNATIF, ET CYLINDRE D'UN MOTEUR A PISTON ALTERNATIF**

[72] FICHT, REINHOLD, DE

[73] GEIST, BERTWIN R., DE

[85] 2013-07-18

[86] 2011-11-14 (PCT/EP2011/070046)

[87] (WO2012/097893)

[30] DE (10 2011 009 094.0) 2011-01-21

[11] 2,825,220
[13] C

[51] **Int.Cl.** G01B 15/00 (2006.01) G01B 11/00 (2006.01) G06F 3/042 (2006.01) G06K 11/06 (2006.01)

[25] EN

[54] **SYSTEMS AND METHODS FOR SENSING AND TRACKING RADIATION BLOCKING OBJECTS ON A SURFACE**

[54] **SYSTEMES ET PROCEDES POUR DETECTER ET SUIVRE DES OBJETS BLOQUANT UN RAYONNEMENT SUR UNE SURFACE**

[72] UTUKURI, AVANINDRA, CA

[72] CLARKE, JONATHAN, CA

[73] BAANTO INTERNATIONAL LTD., CA

[85] 2013-08-28

[86] 2012-02-28 (PCT/CA2012/000158)

[87] (WO2012/116429)

[30] US (61/447,678) 2011-02-28

[11] 2,826,506
[13] C

[51] **Int.Cl.** A61K 9/06 (2006.01) A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01)

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATING CHRONIC INFLAMMATION AND INFLAMMATORY DISEASES**

[54] **COMPOSITIONS ET METHODES POUR TRAITER L'INFLAMMATION CHRONIQUE ET LES MALADIES INFLAMMATOIRES**

[72] BANNISTER, ROBIN MARK, GB

[72] BREW, JOHN, GB

[72] CAPARROS-WANDERLEY, WILSON, GB

[72] STOLOFF, GREGORY ALAN, GB

[72] DILLY, SUZANNE JANE, GB

[72] SZUCS, GEMMA, GB

[72] PLEGUEZUELOS MATEO, OLGA, GB

[73] INFIRST HEALTHCARE LIMITED, GB

[85] 2013-08-02

[86] 2012-02-03 (PCT/GB2012/050242)

[87] (WO2012/104655)

[30] GB (1101937.9) 2011-02-04

[30] GB (1113728.8) 2011-08-10

[30] GB (1113729.6) 2011-08-10

[30] GB (1113730.4) 2011-08-10

[30] GB (PCT/GB2011/052115) 2011-10-31

[11] 2,826,880
[13] C

[51] **Int.Cl.** C22C 38/44 (2006.01) C21D 6/00 (2006.01) C22C 38/02 (2006.01) C22C 38/42 (2006.01)

[25] EN

[54] **DUPLEX STAINLESS STEEL AND PRODUCTION METHOD THEREFOR**

[54] **ACIER INOXYDABLE DUPLEX ET PROCEDE POUR LA PRODUCTION DE CELUI-CI**

[72] MOTOYA, DAISUKE, JP

[72] HAMADA, MASAHIKO, JP

[72] AMAYA, HISASHI, JP

[72] NAGAYAMA, HIROYUKI, JP

[72] YAMADA, KENTA, JP

[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP

[85] 2013-08-08

[86] 2012-02-10 (PCT/JP2012/053036)

[87] (WO2012/111536)

[30] JP (2011-028335) 2011-02-14

[11] 2,827,315
[13] C

[51] **Int.Cl.** E21B 43/25 (2006.01) E21B 43/14 (2006.01)

[25] EN

[54] **A METHOD FOR DETERMINING REGIONS FOR STIMULATION ALONG TWO PARALLEL ADJACENT WELLBORES IN A HYDROCARBON FORMATION**

[54] **PROCEDE VISANT A DETERMINER LES REGIONS A STIMULER LE LONG DE DEUX Puits DE FORAGE ADJACENTS PARALLELES DANS UNE FORMATION D'HYDROCARBURES**

[72] FREDERICK, LAWRENCE J., CA

[72] DAVIDSON, BRETT C., CA

[72] MELING, TOR, CA

[73] WAVEFRONT TECHNOLOGY SOLUTIONS INC., CA

[73] HUSKY OIL OPERATIONS LIMITED, CA

[86] (2827315)

[87] (2827315)

[22] 2013-09-17

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[11] 2,827,412
[13] C

[51] Int.Cl. E21B 33/08 (2006.01) E21B 33/03 (2006.01) F16J 15/50 (2006.01) F16N 31/00 (2006.01)

[25] EN

[54] **STUFFING BOX LEAK CONTAINMENT APPARATUS**

[54] **DISPOSITIF DE RETENUE DES FUITES SUR UNE BOÎTE À GARNITURE**

[72] BREWER, JACK G., US

[72] FRUIT, DARREL G., US

[72] SHROYER, STEVEN L., US

[72] FRUIT, DARREL B., US

[73] ANTI-POLLUTION TECHNOLOGY, L.P., US

[86] (2827412)

[87] (2827412)

[22] 2011-06-08

[62] 2,742,446

[11] 2,828,272
[13] C

[51] Int.Cl. G01F 23/284 (2006.01) A61M 1/16 (2006.01)

[25] EN

[54] **NON-INVASIVE RADIO FREQUENCY MEDICAL FLUID LEVEL AND VOLUME DETECTION SYSTEM AND METHOD**

[54] **SYSTEME ET PROCÉDE NON INVASIFS DE DÉTECTION DE NIVEAU ET DE VOLUME DE FLUIDE MÉDICAL PAR RADIOFRÉQUENCES**

[72] CHEN, YE, US

[72] DING, YUANPANG SAMUEL, US

[72] MULLER, MATTHEW, US

[72] NAJDEMI, GERT, US

[72] TITUS, JOEL, US

[73] BAXTER INTERNATIONAL, INC., US

[73] BAXTER HEALTHCARE S.A., CH

[85] 2013-08-23

[86] 2012-03-02 (PCT/US2012/027478)

[87] (WO2012/122018)

[30] US (61/450,452) 2011-03-08

[30] US (61/451,725) 2011-03-11

[30] US (13/253,691) 2011-10-05

[11] 2,828,428
[13] C

[51] Int.Cl. G02B 1/04 (2006.01) B29D 11/00 (2006.01)

[25] EN

[54] **PHOSPHINE-CONTAINING HYDROGEL CONTACT LENSES**

[54] **LENTILLES DE CONTACT À PHOSPHINE**

[72] WANG, GUIGUI, US

[72] ZHANG, YUN, US

[72] LIU, YUWEN, US

[72] HONG, YE, US

[72] CHEN, CHARLIE, US

[72] ZHU, PETER, US

[73] COOPERVISION INTERNATIONAL HOLDING COMPANY, LP, BB

[85] 2013-08-27

[86] 2012-02-23 (PCT/US2012/026211)

[87] (WO2012/118671)

[30] US (61/447,152) 2011-02-28

[11] 2,828,680
[13] C

[51] Int.Cl. B65B 67/02 (2006.01) G06Q 50/22 (2012.01) A61J 7/00 (2006.01) B65B 5/04 (2006.01) B65G 1/02 (2006.01)

[25] EN

[54] **SYSTEM AND APPARATUS FOR ITEM MANAGEMENT**

[54] **SYSTEME ET DISPOSITIF DE GESTION D'ARTICLES**

[72] CHUDY, DUANE S., US

[72] MONTGOMERY, LARRY, US

[72] SPERNOW, JAMES T., US

[73] CHUDY GROUP, LLC, US

[86] (2828680)

[87] (2828680)

[22] 2008-04-10

[62] 2,628,789

[30] US (12/033,957) 2008-02-20

[11] 2,828,876
[13] C

[51] Int.Cl. A42B 3/10 (2006.01)

[25] EN

[54] **SPORT HELMET COMPRISING AN OCCIPITAL INNER PAD MOUNTED TO A MOVABLE REAR SUPPORT**

[54] **CASQUE DE SPORT COMPORTANT UN COUSSIN OCCIPITAL INTÉRIEUR FIXÉ À UN SUPPORT ARRIÈRE MOBILE**

[72] JEAN, PHILIPPE, CA

[72] DUROCHER, JACQUES, CA

[72] GÉNEREUX, MARIE-CLAUDE, CA

[72] CÔTÉ, DENIS, CA

[73] BAUER HOCKEY LTD., CA

[86] (2828876)

[87] (2828876)

[22] 2013-09-30

[11] 2,829,215
[13] C

[51] Int.Cl. H04W 48/20 (2009.01) H04W 36/24 (2009.01) H04W 52/02 (2009.01)

[25] EN

[54] **REDIRECTING A WIRELESS COMMUNICATION DEVICE TO A DIFFERENT FREQUENCY**

[54] **REDIRECTION D'UN DISPOSITIF DE COMMUNICATION SANS FIL À UNE FRÉQUENCE DIFFÉRENTE**

[72] OROSKAR, SIDDHARTH S., US

[72] VARGANTWAR, SACHIN R., US

[72] SHAH, MAULIK K., US

[72] SINGH, JASINDER P., US

[73] SPRINT SPECTRUM L.P., US

[85] 2013-09-05

[86] 2012-03-07 (PCT/US2012/028070)

[87] (WO2012/122266)

[30] US (13/044,794) 2011-03-10

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[11] **2,829,779**
[13] C

[51] **Int.Cl. E21B 21/10 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PREVENTING A MUD RELIEF VALVE FROM INCORRECT OPENING**
[54] **METHODE ET DISPOSITIF POUR EMPECHER UNE SOUPAPE DE DECHARGE DE BOUE DE S'OUVRIR DE FACON INCORRECTE**
[72] KYLLINGSTAD, AGE, NO
[73] NATIONAL OILWELL VARCO NORWAY AS, NO
[85] 2013-09-11
[86] 2012-03-27 (PCT/NO2012/050052)
[87] (WO2012/134302)
[30] US (61/470,313) 2011-03-31

[11] **2,830,056**
[13] C

[51] **Int.Cl. E21B 17/00 (2006.01) E21B 43/08 (2006.01)**
[25] EN
[54] **FLEXIBLE WELLBORE CASING GUIDE**
[54] **GUIDE DE CUVELAGE DE Puits DE FORAGE FLEXIBLE**
[72] MITCHELL, SARAH, US
[72] BLOOM, DUANE THOMAS, US
[73] WWT NORTH AMERICA HOLDINGS, INC., US
[86] (2830056)
[87] (2830056)
[22] 2013-10-15
[30] US (61/717,941) 2012-10-24
[30] US (14/049,023) 2013-10-08

[11] **2,830,543**
[13] C

[51] **Int.Cl. B23K 35/22 (2006.01) B23K 35/02 (2006.01) B23K 35/30 (2006.01) C22C 1/02 (2006.01) C22C 19/05 (2006.01)**
[25] EN
[54] **FINE GRAINED NI-BASED ALLOYS FOR RESISTANCE TO STRESS CORROSION CRACKING AND METHODS FOR THEIR DESIGN**
[54] **ALLIAGES A BASE DE NI A GRAINS FINS POUR RESISTANCE A LA FISSURATION PAR CORROSION SOUS TENSION ET PROCEDES POUR LEUR CONCEPTION**
[72] CHENEY, JUSTIN LEE, US
[73] SCOPERTA, INC., US
[85] 2013-09-17
[86] 2012-03-23 (PCT/US2012/030365)
[87] (WO2012/129505)
[30] US (61/466,875) 2011-03-23
[30] US (13/428,296) 2012-03-23

[11] **2,830,906**
[13] C

[51] **Int.Cl. G06F 17/00 (2006.01) G06F 3/0484 (2013.01)**
[25] EN
[54] **MANAGING PLAYBACK OF SYNCHRONIZED CONTENT**
[54] **GESTION DE LECTURE DE CONTENU SYNCHRONISE**
[72] STORY, GUY A., JR., US
[72] ISRAEL, BRUCE N., US
[73] AUDIBLE, INC., US
[85] 2013-09-20
[86] 2012-03-22 (PCT/US2012/030198)
[87] (WO2012/129445)
[30] US (13/070,421) 2011-03-23
[30] US (13/070,422) 2011-03-23
[30] US (13/070,439) 2011-03-23

[11] **2,831,277**
[13] C

[51] **Int.Cl. G01V 3/30 (2006.01)**
[25] EN
[54] **MULTICOMPONENT BOREHOLE RADAR SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES UTILISANT DES RADARS A COMPOSANTS MULTIPLES POUR Puits DE FORAGE**
[72] GUNER, BARIS, US
[72] DONDERICI, BURKAY, US
[72] BITTAR, MICHAEL S., US
[72] SAN MARTIN, LUIS E., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2013-09-24
[86] 2011-04-18 (PCT/US2011/032865)
[87] (WO2012/144977)

[11] **2,831,578**
[13] C

[51] **Int.Cl. H02K 1/06 (2006.01) H02K 1/16 (2006.01) H02K 1/22 (2006.01) B64D 41/00 (2006.01)**
[25] EN
[54] **WOUND FIELD FLUX SWITCHING MACHINE WITH SINUSOIDAL BACK ELECTROMOTIVE FORCE**
[54] **MACHINE A COMMUTATION DE FLUX A CHAMP ENROULE COMPRENANT UNE FORCE CONTRE-ELECTROMOTRICE SINUSOIALE**
[72] MEEKER, DAVID C., US
[73] FOSTER-MILLER, INC., US
[86] (2831578)
[87] (2831578)
[22] 2013-10-29
[30] US (61/772,282) 2012-11-05
[30] US (13/849,760) 2013-03-25

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[11] **2,831,897**
[13] C

[51] **Int.Cl. C08B 15/04 (2006.01) A61L 27/00 (2006.01) D01F 2/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING CELLULOSE NANOFIBERS**
[54] **PROCEDE DE PRODUCTION DE NANOFIBRES EN CELLULOSE**
[72] TSUJI, SHIHO, JP
[72] FUKAZAWA, MASAHICO, JP
[72] MIYAWAKI, SHOICHI, JP
[72] KOYANAGI, TOMOAKI, JP
[73] NIPPON PAPER INDUSTRIES CO., LTD., JP
[85] 2013-09-27
[86] 2012-03-14 (PCT/JP2012/056557)
[87] (WO2012/132903)
[30] JP (2011-073987) 2011-03-30
[30] JP (2011-074023) 2011-03-30

[11] **2,832,368**
[13] C

[51] **Int.Cl. A61K 35/768 (2015.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ONCOLYTIC VIROTHERAPY FOR THE THERAPY OF SARCOMA**
[54] **VIROTHERAPIE ONCOLYTIQUE POUR LA THERAPIE D'UN SARCOME**
[72] KIS, ZOLTAN, RO
[72] LACROIX, JEANINNE, DE
[72] LEUCHS, BARBARA, DE
[72] FRANK-STOHR, MONIKA, DE
[72] SCHLEIHOFFER, JORG, DE
[72] ROMMELAERE, JEAN, DE
[73] DEUTSCHES KREBSFORSCHUNGSZENTRUM, DE
[85] 2013-10-04
[86] 2012-06-15 (PCT/EP2012/002539)
[87] (WO2012/171654)
[30] EP (EP11004884) 2011-06-15

[11] **2,832,543**
[13] C

[51] **Int.Cl. B29C 35/08 (2006.01)**
[25] EN
[54] **METHOD FOR DRYING THIN FILMS IN AN ENERGY EFFICIENT MANNER**
[54] **PROCEDE POUR SECHER DES COUCHES MINCES D'UNE MANIERE ECOENERGETIQUE**
[72] SCHROEDER, KURT A., US
[72] RAWSON, IAN M., US
[72] MCCOOL, STEVEN C., US
[72] EDD, ANDREW E., US
[72] DASS, RONALD L., US
[73] NCC NANO, LLC, US
[85] 2013-10-07
[86] 2012-03-28 (PCT/US2012/030845)
[87] (WO2012/138516)
[30] US (13/082,469) 2011-04-08

[11] **2,834,192**
[13] C

[51] **Int.Cl. G01B 11/25 (2006.01) G01S 17/42 (2006.01)**
[25] EN
[54] **OPTICAL MEASUREMENT METHOD AND MEASUREMENT SYSTEM FOR DETERMINING 3D COORDINATES ON A MEASUREMENT OBJECT SURFACE**
[54] **PROCEDE DE MESURE OPTIQUE ET SYSTEME DE MESURE PERMETTANT DE DETERMINER DES COORDONNEES 3D SUR LA SURFACE D'UN OBJET A MESURER**
[72] SIERCKS, KNUIT, CH
[73] HEXAGON TECHNOLOGY CENTER GMBH, CH
[85] 2013-10-24
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[25] EN
[54] **METHOD FOR USER INPUT FROM THE BACK PANEL OF A HANDHELD COMPUTERIZED DEVICE**
[54] **PROCEDE POUR LA SAISIE DE DONNEES UTILISATEUR A PARTIR DU PANNEAU ARRIERE D'UN DISPOSITIF INFORMATIQUE PORTATIF**
[72] LUO, TONG, US
[73] HANDSCAPE INC., A DELAWARE CORPORATION, US
[85] 2013-11-08
[86] 2011-05-16 (PCT/US2011/036654)
[87] (WO2011/133986)
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[25] EN
[54] **LIQUID LEVEL SYSTEM WITH BLOWDOWN FEATURE**
[54] **SYSTEME DE NIVEAU DE LIQUIDE AVEC CARACTERISTIQUE DE PURGE SOUS PRESSION**
[72] CUSTER, ROBERT A., US
[72] MCGUIGAN, STEVEN R., US
[72] FADDEN, CHRISTOPHER W., US
[73] CLARK-RELANCE CORPORATION, US
[86] (2835699)
[87] (2835699)
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[54] **ADDITIVE COMPOSITIONS WITH PLURAL FRICTION MODIFIERS**

[54] **COMPOSITIONS D'ADDITIFS A PLUSIEURS MODIFICATEURS DE FROTTEMENT**

[72] LOPER, JOHN T., US

[72] STYER, JEREMY P., US

[73] AFTON CHEMICAL CORPORATION, US

[86] (2836632)

[87] (2836632)

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[11] 2,836,998
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[54] **METHOD AND CATALYST FOR THE ALKYLATION OF AROMATIC COMPOUNDS WITH ALKANES**

[54] **PROCEDE ET CATALYSEUR POUR L'ALKYLATION DE COMPOSES AROMATIQUES AVEC DES ALCANES**

[72] TRAA, YVONNE, NL

[72] GEISS, DANIEL, NL

[73] STAMICARBON B.V. ACTING UNDER THE NAME OF MT INNOVATION CENTER, NL

[73] UNIVERSITAT STUTTGART, DE

[85] 2013-11-21

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[54] **FUEL SUPPLY SYSTEM AND EARTH-MOVING MACHINE**

[54] **SYSTEME D'ALIMENTATION EN CARBURANT ET MACHINE DE CONSTRUCTION**

[72] TOJIMA, MASANORI, JP

[72] SUDOU, TSUGIO, JP

[72] TAKEDA, KOJI, JP

[72] YAMASHITA, KOUICHI, JP

[73] KOMATSU LTD., JP

[85] 2013-12-03

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[54] **RAILROAD SWITCH SIGNALING DEVICE**

[54] **DISPOSITIF DE SIGNALISATION DE COMMUTEUR D'AIGUILLAGE FERROVIAIRE**

[72] ARNOLD, JAMES, US

[73] VOSSLOH SIGNALING USA, INC., US

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[54] **INTEGRATED DELAY LINE FOR OPTICAL COHERENCE TOMOGRAPHY**

[54] **LIGNE DE RETARD INTEGREE POUR TOMOGRAPHIE A COHERENCE OPTIQUE**

[72] RUBIO GUIVERNAN, JOSE LUIS, ES

[72] MARGALLO BALBAS, EDUARDO, ES

[73] MEDLUMICS S.L., ES

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[25] EN

[54] **FAULT DETECTION SYSTEM AND METHOD, AND POWER SYSTEM FOR SUBSEA PIPELINE DIRECT ELECTRICAL HEATING CABLES**

[54] **SYSTEME DE DETECTION DE DEFAUT, SYSTEME D'ALIMENTATION, PROCEDE DE DETECTION DE DEFAUT, ELEMENT DE PROGRAMME ET SUPPORT LISIBLE PAR ORDINATEUR POUR CABLES DE CHAUFFAGE ELECTRIQUE DIRECT A CONDUITES SOUS-MARINES**

[72] RADAN, DAMIR, NO

[73] SIEMENS AKTIENGESSELLSCHAFT, DE

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[13] C

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[54] **HEAD-UP DISPLAY FOR A VEHICLE**

[54] **AFFICHAGE A TETE HAUTE POUR UN VEHICULE**

[72] KILLGUSS, WERNER, DE

[72] HERVY, SEBASTIEN, FR

[72] MAYER, RALF, DE

[72] LUDEWIG, BERND, DE

[73] JOHNSON CONTROLS AUTOMOTIVE ELECTRONICS GMBH, DE

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[54] **SHAKER AND DEGASSER COMBINATION**
[54] **TAMIS VIBRANT ET DEGAZEUR COMBINES**
[72] CARR, BRIAN S., US
[73] M-I L.L.C., US
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[87] (2841278)
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[54] **PORTABLE SPA INSULATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ISOLATION DE CUVE THERMALE PORTABLE**
[72] LAMBERSON, ROGER, US
[73] WATKINS MANUFACTURING CORPORATION, US
[85] 2014-01-13
[86] 2012-07-17 (PCT/US2012/047068)
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[25] EN
[54] **AN IMPROVED METHOD OF PURIFYING A DICARBOXYLIC ACID**
[54] **PROCEDE PERFECTIONNE DE PURIFICATION D'ACIDE DICARBOXYLIQUE**
[72] WALKER, THOMAS CHAD, US
[72] TURNER, STEPHEN WAYNE, US
[72] LANDWEHR, JAY WILLIAM, US
[72] DA SILVA ROSA, DOUGLAS, US
[72] DURCHHOLZ, MARK ELLIOT, US
[73] EMERY OLEOCHEMICALS LLC, US
[85] 2014-01-14
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[25] EN
[54] **METHODS AND DEVICES RELATING TO FIREARMS**
[54] **METHODE ET DISPOSITIFS RELATIFS AUX ARMES A FEU**
[72] MCKAY, PAUL R., CA
[72] KARIMULLAH, MIRZA, CA
[73] MACFE ENTERPRISES INC./LES ENTREPRISES MACFE INC., CA
[86] (2841762)
[87] (2841762)
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[25] EN
[54] **A SPACE PROVISION SYSTEM USING COMPRESSION DEVICES FOR THE REALLOCATION OF RESOURCES TO NEW TECHNOLOGY, BROWNFIELD AND GREENFIELD DEVELOPMENTS**
[54] **SYSTEME DE FOURNITURE D'ESPACE QUI UTILISE DES DISPOSITIFS DE COMPRESSION PERMETTANT LA REALLOCATION DES RESSOURCES A UNE NOUVELLE TECHNOLOGIE, REHABILITATIONS DE NOUVEAUX GISEMENTS ET DE GISEMENTS EXISTANTS**
[72] TUNGET, BRUCE A., GB
[73] TUNGET, BRUCE A., GB
[85] 2014-01-06
[86] 2012-07-05 (PCT/US2012/045626)
[87] (WO2013/006735)
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[25] EN
[54] **MAGNESIUM ALLOY POWDER METAL COMPACT**
[54] **COMPACT METALLIQUE EN POUDRE A ALLIAGE DE MAGNESIUM**
[72] XU, ZHIYUE, US
[73] BAKER HUGHES INCORPORATED, US
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[54] **ELECTROSTATIC BONDING OF COAXIAL TUBING**
[54] **FIXATION ELECTROSTATIQUE DE TUBES COAXIAUX**
[72] WAUGH, GREGORY M., US
[72] HOLBROOK, MICHAEL LYLE, US
[72] CLEMENTS, RONALD LAWRENCE, US
[73] THE BOEING COMPANY, US
[85] 2014-01-30
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[25] EN
[54] **FLEXIBLE LIGHTING DEVICE INCLUDING A HEAT-SPREADING LAYER**
[54] **DISPOSITIF D'ECLAIRAGE FLEXIBLE COMPORTANT UNE COUCHE DE DISSIPATION THERMIQUE**
[72] BROOKS, TIMOTHY WEBSTER, US
[72] JONES, SCOTT J., US
[72] MARX, MARTIN J., US
[72] PEREZ-BOLIVAR, CESAR, US
[72] ROBERTS, JAMES E., US
[72] RICHARDSON, GEORGE M., II, US
[73] GROTE INDUSTRIES, LLC, US
[86] (2843999)
[87] (2843999)
[22] 2014-02-25
[30] US (13/837403) 2013-03-15
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[11] 2,845,140
[13] C

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[25] EN
[54] **COMPLIANT ISOLATOR**
[54] **ISOLATEUR ADAPTATIF**
[72] STEGAWSKI, PIOTR, US
[73] PACCAR INC, US
[86] (2845140)
[87] (2845140)
[22] 2014-02-28
[30] US (13/790,988) 2013-03-08

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[25] EN
[54] **CONVERSION OF HF ALKYLATION UNITS FOR IONIC LIQUID CATALYZED ALKYLATION PROCESSES**
[54] **CONVERSION D'UNITES D'ALKYLATION PAR HF POUR DES PROCEDES D'ALKYLATION CATALYSEE PAR UN LIQUIDE IONIQUE**
[72] CLEVERDON, ROBERT FLETCHER, US
[72] PHILLIPS, CHRISTINE MARIE, US
[72] TIMKEN, HYE KYUNG CHO, US
[73] CHEVRON U.S.A. INC., US
[85] 2014-03-07
[86] 2012-04-04 (PCT/US2012/032127)
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[51] Int.Cl. E21B 47/008 (2012.01) E21B 43/00 (2006.01)
[25] EN
[54] **SENSING IN ARTIFICIAL LIFT SYSTEMS**
[54] **DETECTION DANS DES SYSTEMES D'ELEVATION ARTIFICIELLE**
[72] PAULET, BRYAN A., US
[72] AGARWAL, MANISH, US
[72] LACHIN, PAUL M., US
[72] MOFFETT, ROSS E., US
[72] CANNON, STEPHEN E., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2848865)
[87] (2848865)
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[30] US (61/811,558) 2013-04-12

[11] 2,849,096
[13] C

[51] Int.Cl. B60K 15/03 (2006.01)
[25] EN
[54] **OPERATING FLUID TANK FOR A MOTOR VEHICLE**
[54] **RESERVOIR DE FLUIDE FONCTIONNEL POUR UN VEHICULE A MOTEUR**
[72] HUTZEN, MARKUS, DE
[72] KARSCH, ULRICH, DE
[72] SPITZER, SEBASTIAN, DE
[73] KAUTEX TEXTRON GMBH & CO. KG, DE
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- [25] EN
- [54] SYSTEMS AND METHODS FOR DELIVERING AQUEOUS PEARLESCENT DIGITAL PRINTING INK COMPOSITIONS USING DIGITAL OFFSET LITHOGRAPHIC PRINTING TECHNIQUES
- [54] SYSTEMES ET PROCEDES DE FOURNITURE DE COMPOSITIONS D'ENCRE D'IMPRESSION NUMERIQUE PERLESCENTE AQUEUSE UTILISANT DES TECHNIQUES D'IMPRESSION LITHOGRAPHIQUE OFFSET NUMERIQUES
- [72] MAYO, JAMES D., US
- [72] LEE, FRANK PING-HAY, US
- [72] MAGDALINIS, AURELIAN VALERIU, US
- [72] BRETON, MARCEL, US
- [72] ELIYAHU, JENNY, US
- [72] MOORLAG, CAROLYN, US
- [73] XEROX CORPORATION, US
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- [87] (2852478)
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[13] C
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- [25] EN
- [54] METHOD FOR ENCODING IMAGE, METHOD FOR DECODING IMAGE, IMAGE ENCODER, AND IMAGE DECODER
- [54] PROCEDE DE CODAGE D'IMAGE, PROCEDE DE DECODAGE D'IMAGE, CODEUR D'IMAGE ET DECODEUR D'IMAGE
- [72] LEE, BAE KEUN, KR
- [72] KWON, JAE CHIEOL, KR
- [72] KIM, JOO YOUNG, KR
- [73] KT CORPORATION, KR
- [85] 2014-04-17
- [86] 2012-10-18 (PCT/KR2012/008563)
- [87] (WO2013/058583)
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- [25] EN
- [54] DELAYED, SWELLABLE PARTICLES FOR PREVENTION OF FLUID MIGRATION THROUGH DAMAGED CEMENT SHEATHS
- [54] PARTICULES A EFFET RETARD, APTES AU GONFLEMENT POUR PREVENIR LA MIGRATION DES FLUIDES A TRAVERS DES GAINES DE CIMENT ENDOMMAGEES
- [72] FUNKHOUSER, GARY P., US
- [72] BENKLEY, JAMES R., US
- [73] HALLIBURTON ENERGY SERVICES, INC., US
- [85] 2014-04-25
- [86] 2012-09-21 (PCT/US2012/056618)
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[13] C
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- [25] EN
- [54] PRESSURE ADJUSTMENT UNIT AND REDOX DEVICE HAVING A PRESSURE ADJUSTMENT UNIT
- [54] UNITE DE REGLAGE DE PRESSION ET DISPOSITIF OXYDOREDUCTEUR COMPORTANT UNE UNITE DE REGLAGE DE PRESSION
- [72] JEHL, WALTER, DE
- [72] LUCAS, JOACHIM, DE
- [73] AIRBUS DS GMBH, DE
- [86] (2853817)
- [87] (2853817)
- [22] 2014-06-05
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- [11] 2,853,842
[13] C
- [51] Int.Cl. G01N 17/02 (2006.01) F17D 5/08 (2006.01)
- [25] EN
- [54] METHOD AND APPARATUS FOR SIMULATING ELECTRICAL CHARACTERISTICS OF A COATED SEGMENT OF A PIPELINE
- [54] PROCEDE ET DISPOSITIF POUR SIMULER DES CARACTERISTIQUES ELECTRIQUES D'UN SEGMENT REVETU D'UN PIPELINE
- [72] MILLER, SCOTT DOWNING, US
- [72] DAVIS, THOMAS JAMES, US
- [72] PEREZ, JAIME PAUNLAGUI, US
- [73] SAUDI ARABIAN OIL COMPANY, SA
- [86] (2853842)
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[54] **AUXILIARY SHIELDING GAS FILTER FOR A WELDING APPARATUS**
[54] **FILTRE AUXILIAIRE POUR GAZ DE PROTECTION DESTINE A UN APPAREIL DE SOUDAGE**
[72] LAHTI, THOMAS DON, US
[72] IHDE, JEFFERY RAY, US
[72] RAPPL, JAMES FRANCIS, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2014-05-09
[86] 2013-01-24 (PCT/US2013/022854)
[87] (WO2013/112662)
[30] US (13/358,388) 2012-01-25

[11] 2,857,048
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[51] **Int.Cl. B25C 1/04 (2006.01) B25C 5/13 (2006.01)**
[25] EN
[54] **SLEEVE FOR A PNEUMATIC FASTENER-DRIVING TOOL**
[54] **MANCHON POUR OUTIL D'ENTRAINEMENT D'ELEMENT DE FIXATION PNEUMATIQUE**
[72] ZHAO, HANXIN, US
[72] MOORE, STEPHEN P., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2014-05-26
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[87] (WO2013/119780)
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[13] C

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[25] EN
[54] **OCULAR MASK HAVING SELECTIVE SPECTRAL TRANSMISSION**
[54] **MASQUE OCULAIRE AYANT UNE TRANSMISSION SPECTRALE SELECTIVE**
[72] VILUPURU, ABHIRAM S., US
[72] CHRIST, MARIE DVORAK, US
[73] ACUFOCUS, INC., US
[85] 2014-05-28
[86] 2012-11-30 (PCT/US2012/067466)
[87] (WO2013/082545)
[30] US (61/566,523) 2011-12-02

[11] 2,859,038
[13] C

[51] **Int.Cl. A23G 9/30 (2006.01) F25C 1/00 (2006.01)**
[25] EN
[54] **AUTOMATED METHOD AND DEVICE FOR CLEANING OF BLENDED ICE MACHINE**
[54] **DISPOSITIF ET PROCEDE AUTOMATISES POUR NETTOYAGE DE MACHINE DE GLACE MELANGEE**
[72] WALKER, DARREL JAY, US
[72] BROWN, JAMES WALLACE, US
[72] KRCHIMAR, TRAVIS JAMES, US
[73] THE DELFIELD COMPANY, LLC, US
[85] 2014-06-11
[86] 2012-12-21 (PCT/US2012/071320)
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[30] US (61/579,431) 2011-12-22

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[13] C

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[25] EN
[54] **PROCESS FOR THE PREPARATION OF AN AQUEOUS SOLUTION COMPRISING AT LEAST ONE EARTH ALKALI HYDROGEN CARBONATE AND ITS USE**
[54] **PROCEDE POUR LA PREPARATION D'UNE SOLUTION AQUEUSE COMPRENANT AU MOINS UN CARBONATE D'HYDROGENE ALCALINO-TERREUX ET SON UTILISATION**
[72] BURI, MATTHIAS, CH
[72] RENTSCH, SAMUEL, CH
[72] GANE, PATRICK A. C., CH
[72] BLUM, RENE, VINZENZ, CH
[72] POFFET, MARTINE, CH
[73] OMYA INTERNATIONAL AG, CH
[85] 2014-06-17
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[54] **MACHINE DE PREPARATION DE BOISSON**
[72] DINGLE, REBECCA, GB
[72] MASTERS, OLIVER, GB
[73] KONINKLIJKE DOUWE EGBERTS B.V., NL
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[25] EN
[54] **CLOSTRIDIUM HISTOLYTICUM ENZYMES AND METHODS FOR THE USE THEREOF**
[54] **ENZYMES DE CLOSTRIDIUM HISTOLYTICUM ET PROCEDES POUR LES UTILISER**
[72] HERBER, WAYNE K., US
[73] AUXILIUM INTERNATIONAL HOLDINGS, INC., US
[85] 2014-07-11
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[54] **CONCENTRATED LOW WATER
ACTIVITY LIQUID HUMAN MILK
FORTIFIER INCLUDING
EXTENSIVELY HYDROLYZED
PROTEIN**
[54] **SUPPLEMENT LIQUIDE
CONCENTRE A FAIBLE
ACTIVITE D'EAU POUR LAIT
MATERNEL HUMAIN,
CONTENANT DES PROTEINES
FOTEMENT HYDROLYSEES.**
[72] VURMA, MUSTAFA, US
[72] MAHAN, KEVIN B., US
[72] BOFF, JEFFREY M., US
[73] ABBOTT LABORATORIES, US
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[54] **NAIL POLISH COMPOSITIONS**
[54] **COMPOSITIONS DE VERNIS A
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[72] SACRIPANTE, GUERINO G., CA
[72] GOREDEMA, ADELA, CA
[72] CHOPRA, NAVEEN, CA
[72] ZHOU, KE, CA
[72] BRETON, MARCEL P., CA
[73] XEROX CORPORATION, US
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[25] EN
[54] **METHODS AND APPARATUS FOR
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PEER-TO-PEER (P2P) WIRELESS
NETWORKING**
[54] **PROCEDES ET APPAREIL
DESTINES A ETRE UTILISES
POUR FACILITER LA MISE EN
RESEAU SANS FIL POSTE-A-
POSTE (P2P) WI-FI**
[72] MONTEMURRO, MICHAEL PETER,
CA
[72] SANDU, CONSTANTIN ADRIAN, CA
[73] BLACKBERRY LIMITED, CA
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[25] EN
[54] **PIPE JOINING QUALITY
CONTROL APPARATUS AND
METHODS OF USE**
[54] **APPAREIL DE CONTROLE DE
QUALITE DE RACCORD DE
TUYAU ET METHODES
D'UTILISATION**
[72] CONRAD, WAYNE ERNEST, CA
[72] CARD, SCOTT, CA
[73] OMACHRON INTELLECTUAL
PROPERTY INC., CA
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[54] **APPARATUS AND METHOD FOR
HARVESTING POWER FROM AN
OVERHEAD TRANSMISSION
CONDUCTOR**
[54] **APPAREIL ET PROCEDE DE
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TRANSMISSION AERIENNE**
[72] PHILLIPS, ANDREW JOHN, US
[72] ENGELBECHT, CHRISTIAAN S., NL
[72] ENGDALH, ERIC, US
[73] ELECTRIC POWER RESEARCH
INSTITUTE, INC., US
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[54] **ASSESSMENT OF TOPOGRAPHIC
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FOR CORNEAL ASTIGMATISM
ANALYSIS AND VECTOR
PLANNING TREATMENT**
[54] **EVALUATION DE PARAMETRES
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L'ANALYSE D'ASTIGMATISME
DE LA CORNEE ET TRAITEMENT
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[72] ALPINS, NOEL AMI, AU
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[54] **SYSTEME DE JOINTS VERTICAUX ET SYSTEME DE REVETEMENT DE SURFACE ASSOCIE**
[72] KELL, RICHARD WILLIAM, AU
[73] INOTEC INTERNATIONAL PTY LTD, AU
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[54] **HOLD DOWN DEVICE FOR WINDOW COVERING LOOPED OPERATOR**
[54] **DISPOSITIF DE RETENUE DE MANIPULATEUR A BOUCLE DE RIDEAU DE FENETRE**
[72] MERKER, THOMAS H., US
[72] GRAYBAR, MICHAEL A., US
[72] HARMS, PHILLIP R., US
[73] SPRINGS WINDOW FASHIONS, LLC, US
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[54] **CYLINDRE BROYEUR POUR BROYEUR A CYLINDRES**
[72] DE WELDIGE, EGGERT, DE
[73] MASCHINENFABRIK KOPPERN GMBH & CO. KG, DE
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[54] **ARTICLE DE NETTOYAGE AVEC FEUILLE POURVUE D'OUVERTURES ET DE FIBRES D'ETOUPE**
[72] COOPER, JOHN THOMAS, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2014-09-08
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[54] **CARBOXYLATE DYES**
[54] **COLORANTS CARBOXYLATE**
[72] MIRACLE, GREGORY S., US
[72] TORRES, EDUARDO, US
[73] MILLIKEN & COMPANY, US
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[86] 2013-03-19 (PCT/US2013/032967)
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[25] EN
[54] **DIESEL FUEL OR DIESEL FUEL BASE STOCK AND PRODUCTION METHOD THEREOF**
[54] **CARBURANT DIESEL OU BASE POUR CARBURANT DIESEL ET SON PROCEDE DE PRODUCTION**
[72] NIITSUMA, TAKUYA, JP
[72] IWAMA, MARIE, JP
[73] JAPAN OIL, GAS AND METALS NATIONAL CORPORATION, JP
[73] INPEX CORPORATION, JP
[73] JX NIPPON OIL & ENERGY CORPORATION, JP
[73] JAPAN PETROLEUM EXPLORATION CO., LTD., JP
[73] COSMO OIL CO., LTD., JP
[73] NIPPON STEEL & SUMIKIN ENGINEERING CO., LTD., JP
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[54] **SYSTEME DE DETECTION DE NIVEAU D'HUILE POUR FRITEUSE**
[72] GARDNER, JOHN P., US
[72] SAVAGE, STEPHEN J., US
[73] PITCO FRIALATOR, INC., US
[85] 2014-09-26
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[54] **RESIDUE NUMBER ARITHMETIC LOGIC UNIT**
[54] **UNITE ARITHMETIQUE ET LOGIQUE A SYSTEME MODULAIRE DE REPRESENTATION**
[72] OLSEN, ERIC, US
[73] OLSEN, ERIC, US
[85] 2014-09-26
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[25] EN
[54] **MODULAR FILLING APPARATUS AND METHOD**
[54] **APPAREIL DE REMPLISSAGE MODULAIRE ET PROCEDE CORRESPONDANT**
[72] PY, DANIEL, US
[73] DR. PY INSTITUTE LLC, US
[85] 2014-10-09
[86] 2013-04-12 (PCT/US2013/036296)
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[25] EN
[54] **RESILIENT PLUG APPARATUS AND METHOD OF USE**
[54] **BOUCHON SOUPLE ET METHODE D'UTILISATION**
[72] GERMAN, MIKHAIL, US
[72] FLEURY, LEO, US
[73] MUELLER INTERNATIONAL, LLC, US
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[54] **DEVICE FOR ATTACHMENT OF REPLACEABLE WEARING PART**
[54] **DISPOSITIF DE FIXATION DE PIECE D'USURE REMPLACABLE**
[72] SKJAEVELAND, MAGNE, NO
[73] KVERNELAND GROUP OPERATIONS NORWAY AS, NO
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[54] **SAC RENFORCE**
[72] FITZWATER, KELLY R., US
[73] GRAPHIC PACKAGING INTERNATIONAL, INC., US
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[25] EN
[54] **LIFT SYSTEM**
[54] **INSTALLATION D'ASCENSEUR**
[72] MOSER, CHRISTOF, CH
[72] LATORRE MARCUZ, CARLOS, CN
[72] SILBERHORN, GERT, CH
[72] BIAN, STEVEN, CN
[72] PRINGLE, WAYNE, AU
[72] KENNEDY, GREG, ID
[72] GUSLANDI, SERGIO, CN
[72] SCHWARER, PETER, AU
[73] INVENTIO AG, CH
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[51] **Int.Cl. E21B 21/10 (2006.01) E21B 34/14 (2006.01)**
[25] EN
[54] **MULTI-CYCLE CIRCULATING TOOL**
[54] **OUTIL DE CIRCULATION A CYCLES MULTIPLES**
[72] WILSON, TIMOTHY L., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2015-01-08
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[11] 2,877,504
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[25] EN
[54] **BIOPSY DEVICE WITH VARIABLE SPEED CUTTER ADVANCE**
[54] **DISPOSITIF DE BIOPSIE AVEC AVANCE D'INSTRUMENT TRANCHANT A VITESSE VARIABLE**
[72] THOMPSON, BENNIE, US
[72] KERTCHAM, JOHN A., US
[72] MCCOMBS, ELIZABETH, US
[72] HIBNER, JOHN A., US
[72] HUNT, JOHN V., US
[73] DEVICOR MEDICAL PRODUCTS, INC., US
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[54] **DYNAMIC KNEE BALANCER WITH PRESSURE SENSING**

[54] **DISPOSITIF D'EQUILIBRAGE DYNAMIQUE DU GENOU A DETECTION DE PRESSION**

[72] FISHER, MICHAEL G., US

[72] HEDLEY, ANTHONY K., US

[72] HOWARD, MICHAEL., US

[72] CORDES, KEVIN, US

[72] KATSUYA, TOSHINOBU, JP

[73] SYNVASIVE TECHNOLOGY, INC., US

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[54] **PHENYL AMINO PYRIMIDINE BICYCLIC COMPOUNDS AND USES THEREOF**

[54] **COMPOSES PHENYLAMINO-PYRIMIDINE BICYCLIQUES ET LEURS UTILISATIONS**

[72] BURNS, CHRISTOPHER JOHN, AU

[73] YM BIOSCIENCES AUSTRALIA PTY LTD, AU

[85] 2014-12-24

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[54] **MODULAR WELDING SYSTEM**

[54] **SYSTEME DE SOUDAGE MODULAIRE**

[72] DESSART, NICHOLAS JAMES, US

[72] PETERSON, RYAN LAWRENCE., US

[72] MATIASI, NICHOLAS ALEXANDER, US

[72] SAMMONS, MICHAEL ALLEN, US

[73] ILLINOIS TOOL WORKS INC., US

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[13] C

[51] Int.Cl. H03B 5/00 (2006.01) H03L 7/24 (2006.01)

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[54] **SOURCE DE SIGNAL DE BRUIT A PHASE ULTRA BASSE**

[72] NICHOLLS, CHARLES WILLIAM TREMLETT, CA

[72] HAMDANE, WALID, CA

[73] NANOWAVE TECHNOLOGIES INC., CA

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[25] EN

[54] **WING TIP DEVICE FOR AN AIRCRAFT WING**

[54] **DISPOSITIF DE BOUT D'AILE POUR AILE D'AERONEF**

[72] ZAMAN, ABUMUHAMMID A., US

[73] THE BOEING COMPANY, US

[86] (2879294)

[87] (2879294)

[22] 2015-01-21

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[54] **CAMOUFLAGE BRANDING SYSTEM AND METHOD**

[54] **SYSTEME ET METHODE DE CAMOUFLAGE DE MARQUE**

[72] BENTLEY, JAMES K., US

[73] ADAPTIVE GRAPHX LLC, US

[86] (2880336)

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[22] 2013-06-06

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[54] **METHOD FOR CONTROLLING A LIGHTING SYSTEM**

[54] **PROCEDE DE COMMANDE D'UN SYSTEME D'ECLAIRAGE**

[72] SEIF, LOTIAR, FR

[72] GAGELIN, ROMUALD, FR

[73] VALEO VISION, FR

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[30] FR (12/02176) 2012-08-02

[11] 2,881,100
[13] C

[51] Int.Cl. B23B 35/00 (2006.01) B23B 41/02 (2006.01) B23Q 15/14 (2006.01) B23Q 16/00 (2006.01)

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[54] **SYSTEM AND METHOD FOR FORMING A BORE IN A WORKPIECE**

[54] **SYSTEME ET PROCEDE POUR FORMER UN ALESAGE DANS UNE PIECE**

[72] WANGENHEIM, CHRISTOPH, DE

[72] MARTEN, CHRISTIAN, DE

[72] STEPPAN, JOERN, DE

[72] EISSELER, ROCCO, DE

[73] BAKER HUGHES INCORPORATED, US

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[54] **SYNERGISTIC FUNGICIDE COMPOSITION COMPRISING BENZISOTHIAZOLINONE**

[54] **COMPOSITION FONGICIDE SYNERGETIQUE RENFERMANT DU BENZISOTHIAZOLINONE**

[72] ZHONG, HANGEN, CN

[73] JIANGSU HUIFENG AGROCHEMICAL CO., LTD., CN

[85] 2015-02-09

[86] 2012-08-20 (PCT/CN2012/080379)

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[54] **EMAIL SENDING AND RECEIVING METHOD AND TERMINAL**

[54] **PROCEDE ET TERMINAL D'ENVOI ET DE RECEPTION DE COURRIER ELECTRONIQUE**

[72] ZHOU, HAO, CN

[72] LI, MINGQIANG, CN

[72] WANG, XIAOBING, CN

[72] WANG, QI, CN

[72] XU, JIATAO, CN

[72] HUANG, LIANG, CN

[72] HUANG, ZIQUN, CN

[72] DU, JIAHUI, CN

[72] TAN, ZHIYUAN, CN

[72] ZHU, JIANPING, CN

[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN

[85] 2015-02-13

[86] 2013-07-23 (PCT/CN2013/079849)

[87] (WO2014/026530)

[30] CN (201210290561.0) 2012-08-15

[11] 2,882,279
[13] C

[51] **Int.Cl.** A61K 41/00 (2006.01) A61P 31/10 (2006.01)

[25] EN

[54] **METHOD OF TREATING ONYCHOMYCOSIS**

[54] **METHODE DE TRAITEMENT DE L'ONYCHOMYCOSE**

[72] LUNDAHL, SCOTT, US

[73] DUSA PHARMACEUTICALS, INC., US

[85] 2015-02-13

[86] 2013-08-13 (PCT/US2013/054618)

[87] (WO2014/028422)

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[11] 2,882,464
[13] C

[51] **Int.Cl.** A24F 47/00 (2006.01) H02J 7/00 (2006.01)

[25] EN

[54] **ELECTRONIC CIGARETTE APPARATUS**

[54] **APPAREIL DE CIGARETTE ELECTRONIQUE**

[72] LIU, QIUMING, CN

[73] KIMSUN TECHNOLOGY (HUIZHOU) CO., LTD., CN

[85] 2015-02-19

[86] 2012-08-24 (PCT/CN2012/080544)

[87] (WO2014/029103)

[11] 2,882,467
[13] C

[51] **Int.Cl.** A24F 47/00 (2006.01)

[25] EN

[54] **ELECTRONIC CIGARETTE APPARATUS**

[54] **APPAREIL DE CIGARETTE ELECTRONIQUE**

[72] LIU, QIUMING, CN

[73] KIMSUN TECHNOLOGY (HUIZHOU) CO., LTD., CN

[85] 2015-02-19

[86] 2012-08-24 (PCT/CN2012/080549)

[87] (WO2014/029105)

[11] 2,882,509
[13] C

[51] **Int.Cl.** B01D 53/26 (2006.01) F28C 3/06 (2006.01)

[25] EN

[54] **COOLING METHANOL VAPOUR CHAMBER FOR FUEL GAS**

[54] **CHAMBRE DE REFROIDISSEMENT A VAPEUR DE METHANOL POUR GAZ COMBUSTIBLE**

[72] HODAK, RYAN, CA

[72] RUDE, KIRK, CA

[73] KRUIDE INNOVATIONS LTD, CA

[86] (2882509)

[87] (2882509)

[22] 2015-02-23

[11] 2,883,115
[13] C

[51] **Int.Cl.** H01M 8/0282 (2016.01) H01M 8/0206 (2016.01)

[25] EN

[54] **FUEL CELL WITH SEPARATOR, METHOD FOR MANUFACTURING SAME, AND FUEL CELL STACK**

[54] **PILE A COMBUSTIBLE DOTEE D'UN SEPARATEUR, PROCEDE DE FABRICATION ASSOCIE, ET EMPILEMENT DE PILE A COMBUSTIBLE**

[72] KURIBAYASHI, MAKOTO, JP

[72] IKEDA, ETSUYA, JP

[72] MATSUTANI, WATARU, JP

[72] YATSUYA, YOSUKE, JP

[72] MURASE, MASAACKI, JP

[73] NGK SPARK PLUG CO., LTD., JP

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[86] 2013-08-26 (PCT/JP2013/072743)

[87] (WO2014/034608)

[30] JP (2012-192303) 2012-08-31

[30] JP (2012-192304) 2012-08-31

[30] JP (2012-192305) 2012-08-31

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[25] EN
[54] **STENT HAVING ADJACENT ELEMENTS CONNECTED BY FLEXIBLE WEBS**
[54] **STENT COMPRENANT DES RESEAUX FLEXIBLES CONNECTES PAR DES ELEMENTS ADJACENTS**
[72] BURKART, DUSTIN C., US
[72] CULLY, EDWARD H., US
[72] DUNCAN, JEFFREY B., US
[72] HARTMAN, CODY L., US
[72] SILVERMAN, JAMES D., US
[73] GORE ENTERPRISE HOLDINGS, INC., US
[86] (2883830)
[87] (2883830)
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[30] US (61/020,544) 2008-01-11
[30] US (12/350,921) 2009-01-08

[11] 2,883,834
[13] C

- [51] **Int.Cl. A61M 25/00 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **INDWELLING LUMINAL DEVICES**
[54] **DISPOSITIF LUMINAL A DEMEURE**
[72] CULLY, EDWARD H., US
[72] DUNCAN, JEFFREY B., US
[72] MAULDING, MATTHEW E., US
[72] TRAPP, BENJAMIN M., US
[72] SCHONHOLZ, CLAUDIO, US
[73] W. L. GORE & ASSOCIATES, INC., US
[86] (2883834)
[87] (2883834)
[22] 2011-09-09
[62] 2,810,679
[30] US (61/381,358) 2010-09-09
[30] US (13/228,330) 2011-09-08

[11] 2,883,947
[13] C

- [51] **Int.Cl. B23K 9/133 (2006.01) B23K 9/12 (2006.01)**
[25] EN
[54] **HIGH CONDUCTIVE DRIVE ROLL ASSEMBLY FOR PUSH-PULL MIG TORCH**
[54] **ENSEMBLES DEVIDOIRS A CONDUCTION ELEVEE POUR CHALUMEAU MIG SYMETRIQUE**
[72] MA, TIEJUN, US
[72] COSSETTE, ROMEO N., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2015-03-03
[86] 2013-09-09 (PCT/US2013/058793)
[87] (WO2014/039988)
[30] US (13/607,862) 2012-09-10

[11] 2,884,069
[13] C

- [51] **Int.Cl. G01F 1/66 (2006.01) G01F 15/02 (2006.01)**
[25] EN
[54] **ULTRASONIC FLOW METERING USING COMPENSATED COMPUTED TEMPERATURE**
[54] **DEBITMETRIE ULTRASONIQUE UTILISANT UNE TEMPERATURE CALCULEE COMPENSEE**
[72] RAMSAY, LAWSON, GB
[73] DANIEL MEASUREMENT AND CONTROL, INC., US
[85] 2015-03-04
[86] 2013-09-06 (PCT/US2013/058585)
[87] (WO2014/039873)
[30] US (61/697,922) 2012-09-07
[30] US (13/928,635) 2013-06-27

[11] 2,884,340
[13] C

- [51] **Int.Cl. C07F 9/6533 (2006.01) C12N 15/113 (2010.01) C07H 21/00 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **METHOD OF SYNTHESIS OF MORPHOLINO OLIGOMERS**
[54] **PROCEDE DE SYNTHESE D'OLIGOMERES MORPHOLINO**
[72] FOX, CHRISTINA MARY JOSEPHINE, US
[72] REEVES, MATTHEW DALE, US
[72] WELLER, DWIGHT D., US
[72] LI, YONGFU, US
[73] SAREPTA THERAPEUTICS, INC., US
[86] (2884340)
[87] (2884340)
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[62] 2,704,261
[30] US (60/988,200) 2007-11-15
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[11] 2,884,660
[13] C

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[25] EN
[54] **INK JET DELIVERY SYSTEM COMPRISING AN IMPROVED PERFUME MIXTURE**
[54] **DISPOSITIF DE DISTRIBUTION A JET D'ENCRE COMPRENANT UN MELANGE DE PARFUM AMELIORE**
[72] JACKSON, RHONDA JEAN, US
[72] TURNER, RONALD DAVID, US
[72] GRUENBACHER, DANA PAUL, US
[72] MORGAN, GEORGE KAVIN, III, US
[72] DIERSING, STEVEN LOUIS, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2015-03-12
[86] 2013-09-13 (PCT/US2013/059576)
[87] (WO2014/043424)
[30] US (61/700,937) 2012-09-14

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[13] C

[51] **Int.Cl. E21B 7/00 (2006.01) E21B 7/28 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **MULTILATERAL WELL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE Puits MULTILATERAUX**
[72] ALBERTSON, ALLAN, CA
[73] ALBERTSON, ALLAN, CA
[86] (2884979)
[87] (2884979)
[22] 2015-03-12
[30] US (14/634,943) 2015-03-02

[11] 2,885,622
[13] C

[51] **Int.Cl. B02C 18/06 (2006.01) B02C 18/16 (2006.01)**
[25] EN
[54] **MATERIAL REDUCTION APPARATUS AND METHODS OF USE**
[54] **APPAREIL DE REDUCTION DE MATIERES ET PROCEDES D'UTILISATION**
[72] JACKO, MICHAEL SCOT, US
[72] VAN BUYNDER, LUC, BE
[72] RUST, RYAN ANDREW, US
[73] URSCHIEL LABORATORIES, INC., US
[85] 2015-03-19
[86] 2013-10-02 (PCT/US2013/063041)
[87] (WO2014/055633)
[30] US (61/708,693) 2012-10-02
[30] US (14/043,426) 2013-10-01

[11] 2,886,217
[13] C

[51] **Int.Cl. B62B 3/00 (2006.01) A47B 81/00 (2006.01) A47F 13/00 (2006.01)**
[25] EN
[54] **STORAGE OR TRANSPORTATION CART FOR RETAIL SHELVING**
[54] **CHARIOT DE RANGEMENT OU DE TRANSPORT DESTINE AUX ETALAGES DE VENTE AU DETAIL**
[72] ALLEN, STEVE E., CA
[73] ALLEN, STEVE E., CA
[86] (2886217)
[87] (2886217)
[22] 2015-03-26

[11] 2,886,852
[13] C

[51] **Int.Cl. B29C 59/04 (2006.01) G02B 5/02 (2006.01) G02B 5/18 (2006.01) H01L 51/50 (2006.01) H05B 33/02 (2006.01) H05B 33/10 (2006.01)**
[25] EN
[54] **MANUFACTURING METHOD FOR OPTICAL SUBSTRATE USING FILM SHAPED MOLD, MANUFACTURING DEVICE, AND OPTICAL SUBSTRATE OBTAINED THEREBY**
[54] **PROCEDE DE FABRICATION DE SUBSTRAT OPTIQUE UTILISANT UN MOULE PELLICULAIRE, DISPOSITIF DE FABRICATION ET SUBSTRAT OPTIQUE AINSI OBTENU**
[72] TORIYAMA, SHIGETAKA, JP
[72] NISHIMURA, SUZUSHI, JP
[72] KOZASA, NAOTO, JP
[72] TAKAHASHI, MAIDOKA, JP
[73] JX NIPPON OIL & ENERGY CORPORATION, JP
[85] 2015-03-31
[86] 2013-10-02 (PCT/JP2013/076791)
[87] (WO2014/054678)
[30] JP (2012-223103) 2012-10-05

[11] 2,886,866
[13] C

[51] **Int.Cl. E01C 11/00 (2006.01) E01C 5/00 (2006.01) E04F 15/02 (2006.01) E04F 15/18 (2006.01)**
[25] EN
[54] **APPARATUS AND RELATED METHODS OF PAVING A SUBSURFACE**
[54] **APPAREIL ET METHODES ASSOCIEES AU PAVAGE D'UNE SOUS-SURFACE**
[72] TABIBBIA, RAMIN, US
[73] TABIBBIA, RAMIN, US
[86] (2886866)
[87] (2886866)
[22] 2015-04-01
[30] US (14/253,818) 2014-04-15

[11] 2,887,184
[13] C

[51] **Int.Cl. B01F 15/02 (2006.01) B01F 3/04 (2006.01) B05B 1/02 (2006.01)**
[25] EN
[54] **IMPROVED NOZZLE DESIGN FOR HIGH TEMPERATURE ATTEMPERATORS**
[54] **CONCEPTION DE BUSE AMELIOREE POUR SYSTEMES DE REFROIDISSEMENT A HAUTE TEMPERATURE**
[72] WATSON, DAVID ALLEN LEE, US
[72] NEWTON, RAYMOND RICHARD, US
[72] FREITAS, STEPHEN GERALD, US
[72] NAZIRI, KEVIN, US
[73] CONTROL COMPONENTS, INC., US
[85] 2015-04-02
[86] 2013-10-02 (PCT/US2013/063127)
[87] (WO2014/055691)
[30] US (13/644,049) 2012-10-03
[30] US (14/042,428) 2013-09-30

[11] 2,887,305
[13] C

[51] **Int.Cl. G06F 9/06 (2006.01) G06F 3/14 (2006.01) G06F 9/46 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM OF KNOWLEDGE TRANSFER BETWEEN USERS OF A SOFTWARE APPLICATION**
[54] **PROCEDE ET SYSTEME DE TRANSFERT DE CONNAISSANCES ENTRE DES UTILISATEURS D'UNE APPLICATION LOGICIELLE**
[72] KUMAR, AMIT, US
[72] DAVIS, BRIAN D., US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2015-04-02
[86] 2012-10-10 (PCT/US2012/059450)
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[11] 2,887,473
[13] C

[51] **Int.Cl. E21D 20/00 (2006.01) E21D 20/02 (2006.01)**
[25] EN
[54] **A MACHINE AND METHOD FOR INSTALLING ROCK BOLTS**
[54] **MACHINE ET PROCEDE DE MONTAGE DE BOULONS D'ANCRAGE**
[72] COMORGE, ALAIN, FR
[72] KOUHIA, ANSSI, FI
[72] RATAJ, MIECZYSLAW, AU
[72] MANTTARI, MAUNU, FI
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2015-04-08
[86] 2013-11-18 (PCT/EP2013/074059)
[87] (WO2014/076274)
[30] AU (2012905053) 2012-11-19

[11] 2,888,037
[13] C

[51] **Int.Cl. E21B 44/00 (2006.01) E21B 47/04 (2012.01) G06F 19/00 (2011.01)**
[25] EN
[54] **SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR A RUG PLOT FOR GEOSTEERING APPLICATIONS**
[54] **SYSTEME, PROCEDE ET PRODUIT PROGRAMME D'ORDINATEUR POUR DIAGRAMME MATRICIEL POUR APPLICATIONS DE PILOTAGE GEOLOGIQUE**
[72] JOHNSON, PAUL BLAIR, US
[72] CALLEJA, BRONWYN MICHELLE, ID
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2015-04-10
[86] 2012-11-13 (PCT/US2012/064777)
[87] (WO2014/077799)

[11] 2,888,085
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01) H04W 12/04 (2009.01) H04W 84/18 (2009.01) G06Q 30/08 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC PROXIMITY BASED E-COMMERCE TRANSACTIONS**
[54] **SYSTEMES ET METHODES DESTINEES AUX TRANSACTIONS COMMERCIALES ELECTRONIQUES DYNAMIQUES FONDEES SUR LA PROXIMITE**
[72] BASHIERAHAMMED, SIBISH NEELIKATIL, US
[72] DURVASULA, SASITRY VSM, US
[72] MANIVANNAN, PREMKUMAR, US
[72] MATHUR, ANUJ K., US
[72] MUTHUKRISHNAN, SATHISH B., US
[72] WILMES, ROBERT, US
[72] WOLF, DAVID M., US
[72] NORMAN, PHILIP, US
[73] AMERICAN EXPRESS TRAVEL RELATED SERVICES COMPANY, INC., US
[86] (2888085)
[87] (2888085)
[22] 2015-04-15
[30] US (14/284,817) 2014-05-22

[11] 2,889,663
[13] C

[51] **Int.Cl. G01V 9/00 (2006.01) E21B 47/00 (2012.01) G06F 19/00 (2011.01)**
[25] EN
[54] **METHOD AND SYSTEM OF ANALYZING WELLS OF A MATURE FIELD**
[54] **PROCEDE ET SYSTEME D'ANALYSE DE Puits DE CHAMP EVOLUE**
[72] HULL, ROBERT M., US
[72] KIM, SUNG HYUN, US
[72] SEULAKHAN, DARRIN S., US
[72] BOOTHIE, MICHAEL L., US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2015-04-24
[86] 2013-11-05 (PCT/US2013/068389)
[87] (WO2014/092885)
[30] US (13/710,689) 2012-12-11

[11] 2,892,139
[13] C

[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **PLANAR ZONE IN PROSTHETIC HEART VALVE LEAFLET**
[54] **ZONE PLANE AU NIVEAU D'UN FEUILLET DE VALVE CARDIAQUE PROTHETIQUE**
[72] BRUCHMAN, WILLIAM C., US
[72] HARTMAN, CODY L., US
[73] W.L. GORE & ASSOCIATES, INC., US
[85] 2015-05-21
[86] 2013-11-25 (PCT/US2013/071632)
[87] (WO2014/099282)
[30] US (61/739,721) 2012-12-19
[30] US (13/841,334) 2013-03-15

[11] 2,892,287
[13] C

[51] **Int.Cl. A61B 17/12 (2006.01) A61B 17/00 (2006.01) A61F 2/04 (2013.01)**
[25] EN
[54] **GASTRIC SPACE FILLER DEVICE, DELIVERY SYSTEM, AND RELATED METHODS**
[54] **DISPOSITIF DE REMPLISSAGE D'ESPACE INTRAGASTRIQUE, SYSTEME D'ADMINISTRATION ET PROCEDES ASSOCIES**
[72] HOLSCHLAG, TYLER J., US
[72] KINCADE, DANIEL E., US
[72] SOSNOWSKI, STEPHEN A., US
[73] RESHAPE MEDICAL, INC., US
[86] (2892287)
[87] (2892287)
[22] 2008-06-24
[62] 2,691,530
[30] US (11/768,152) 2007-06-25

[11] 2,892,929
[13] C

[51] **Int.Cl. H01Q 21/08 (2006.01) H01Q 9/18 (2006.01)**
[25] EN
[54] **COMPACT ANTENNA SYSTEM**
[54] **SYSTEME D'ANTENNE COMPACT**
[72] TATARNIKOV, DMITRY VITALIEVICH, RU
[72] ASTAKHOV, ANDREY VITALIEVICH, RU
[72] SHAMATULSKIY, PAVEL PETROVICH, RU
[73] TOPCON POSITIONING SYSTEMS, INC., US
[85] 2015-02-06
[86] 2012-08-09 (PCT/RU2012/000652)
[87] (WO2014/025280)

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[11] **2,894,256**
[13] C

[51] **Int.Cl. H02J 13/00 (2006.01) H02J 3/16 (2006.01)**

[25] EN

[54] **METHODS OF COMPUTING STEADY-STATE VOLTAGE STABILITY MARGINS OF POWER SYSTEMS**

[54] **PROCEDE DE CALCUL DE MARGES DE STABILITE EN TENSION A L'ETAT STABLE DE SYSTEMES ELECTRIQUES**

[72] CHOW, JOE HONG, US

[72] GHIJOCEL, SCOTT GORDON, US

[73] RENSSLAER POLYTECHNIC INSTITUTE, US

[85] 2015-06-05

[86] 2014-05-07 (PCT/US2014/037092)

[87] (WO2014/186187)

[30] US (61/822,955) 2013-05-14

[30] US (61/833,949) 2013-06-12

[11] **2,894,401**
[13] C

[51] **Int.Cl. B60T 8/86 (2006.01) B64C 25/42 (2006.01) B64C 25/46 (2006.01)**

[25] EN

[54] **VEHICLE BRAKING SYSTEM HAVING BRAKING CONTROL AND SKID REDUCTION FUNCTIONS**

[54] **DISPOSITIF DE FREINAGE DE VEHICULE COMPORTANT UNE COMMANDE DE FREINAGE ET DES FONCTIONS DE REDUCTION DU DERAPAGE**

[72] VAN DEVENTER, BRUCE, US

[72] GODO, ERIK L., US

[73] THE BOEING COMPANY, US

[86] (2894401)

[87] (2894401)

[22] 2015-06-16

[30] US (14/329,952) 2014-07-13

[11] **2,895,991**
[13] C

[51] **Int.Cl. E21B 21/10 (2006.01) E21B 21/00 (2006.01) E21B 34/06 (2006.01)**

[25] EN

[54] **FLOW STOP VALVE**

[54] **SOUPAPE D'ARRET D'ECOULEMENT**

[72] SWIETLIK, GEORGE, GB

[72] LARGE, ROBERT, GB

[73] PILOT DRILLING CONTROL LIMITED, GB

[86] (2895991)

[87] (2895991)

[22] 2009-02-16

[62] 2,714,768

[30] GB (0802856.5) 2008-02-15

[11] **2,896,542**
[13] C

[51] **Int.Cl. H04L 12/66 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR CONNECTING TELEPHONY COMMUNICATIONS**

[54] **SYSTEMES ET PROCEDES POUR CONNECTER DES COMMUNICATIONS TELEPHONIQUES**

[72] EFRAITI, TZAHIL, US

[72] MACOMBER, GAVIN, US

[72] RUSSO, ANTHONY, US

[73] VONAGE NETWORK LLC, US

[85] 2015-06-25

[86] 2013-12-24 (PCT/US2013/077643)

[87] (WO2014/105879)

[30] US (13/730,260) 2012-12-28

[11] **2,896,575**
[13] C

[51] **Int.Cl. A41C 1/00 (2006.01) A41B 13/06 (2006.01) A41C 3/04 (2006.01) A41D 11/00 (2006.01) A47D 13/08 (2006.01)**

[25] FR

[54] **SKIN-ON-SKIN BABY CARRIER UNDERGARMENT**

[54] **SOUS-VETEMENT PORTE-BEBE PEAU-A-PEAU**

[72] BRAULT, VIVIANNE, CA

[73] BRAULT, VIVIANNE, CA

[86] (2896575)

[87] (2896575)

[22] 2015-07-10

[11] **2,897,827**
[13] C

[51] **Int.Cl. C07C 211/63 (2006.01) C11D 3/30 (2006.01)**

[25] EN

[54] **COLOR INHIBITOR FOR QUATERNARY AMMONIUM HYDROXIDE IN NON-AQUEOUS SOLVENT**

[54] **INHIBITEUR DE COULEUR POUR HYDROXYDE D'AMMONIUM QUATERNAIRE DANS UN SOLVANT NON AQUEUX**

[72] ENGEL, TIM, NL

[72] VAN LIER, ALFRED, NL

[73] SACHEM, INC., US

[85] 2015-07-09

[86] 2014-01-10 (PCT/US2014/010955)

[87] (WO2014/110308)

[30] US (61/751,429) 2013-01-11

[11] **2,898,085**
[13] C

[51] **Int.Cl. B61D 17/00 (2006.01) B61C 17/12 (2006.01) E05D 3/02 (2006.01)**

[25] EN

[54] **COVER CONNECTING MEMBER FOR VEHICLE CONTROL APPARATUS HOUSING**

[54] **ELEMENT DE RACCORD DE COUVERTURE DESTINE A UN LOGEMENT D'APPAREIL DE CONTROLE DE VEHICULE**

[72] IKEMOTO, MINORU, JP

[73] MITSUBISHI ELECTRIC CORPORATION, JP

[85] 2015-07-09

[86] 2013-04-24 (PCT/JP2013/062132)

[87] (WO2014/174624)

[11] **2,898,499**
[13] C

[51] **Int.Cl. F16J 15/32 (2016.01) F16J 15/3224 (2016.01) F16J 15/3232 (2016.01) B63H 23/32 (2006.01)**

[25] EN

[54] **SEAL ARRANGEMENT IN A VESSEL**

[54] **DISPOSITIF ETANCHE DANS UN RECIPIENT**

[72] KORTELAJAINEN, VILJE, FI

[72] RONKAINEN, ERKKI, FI

[72] KIISKILA, JUSSI, FI

[73] ABB OY, FI

[86] (2898499)

[87] (2898499)

[22] 2015-07-28

[30] EP (14183127.1) 2014-09-02

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[11] 2,899,517
[13] C

[51] **Int.Cl. B07C 3/00 (2006.01)**
[25] FR
[54] **METHOD FOR COMBINING NON-MECHANIZABLE POSTAL OBJECTS WITH MACHINE-SORTED MAIL ITEMS**
[54] **PROCEDE POUR FUSIONNER DES OBJETS POSTAUX NON MECANISABLES A DES ARTICLES DE COURRIER TRIES EN MACHINE**
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[73] SOLYSTIC, FR
[85] 2015-07-27
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[54] **DOWNHOLE SYSTEM INCLUDING VARIABLE PROFILE SECTION**
[54] **MECANISME DE FOND DE TROU COMPORTANT UNE SECTION A PROFIL VARIABLE**
[72] WEBSTER, OLIVER, GB
[72] PATTON, DAMIEN GERARD, GB
[73] PETROWELL LIMITED, GB
[85] 2015-07-30
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[54] **ANTIBODIES THAT BIND IL-23**
[54] **ANTICORPS QUI SE LIENT A IL-23**
[72] BEIDLER, CATHERINE
BRAUTIGAM, US
[72] BRIGHT, STUART WILLIS, US
[72] GIRARD, DANIEL SCOTT, US
[72] KIKLY, KRISTINE KAY, US
[73] ELI LILLY AND COMPANY, US
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[86] 2014-03-04 (PCT/US2014/020064)
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[30] US (61/774,732) 2013-03-08

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[25] EN
[54] **VEHICLE WHEEL**
[54] **ROUE DE VEHICULE**
[72] KAMIYAMA, YUICHI, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2015-08-25
[86] 2014-02-19 (PCT/JP2014/053848)
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[13] C

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[25] EN
[54] **PROTEIN FORMULATIONS AND METHODS OF MAKING SAME**
[54] **FORMULATIONS DE PROTEINE ET LEURS PROCEDES DE FABRICATION**
[72] FRAUNHOFER, WOLFGANG, US
[72] BARTL, ANNIKA, DE
[72] KRAUSE, HANS-JUERGEN, DE
[72] TSCHOEPE, MARKUS, DE
[72] KALETA, KATHARINA, DE
[73] ABBVIE BIOTECHNOLOGY LTD., BM
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[87] (2904458)
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[25] EN
[54] **TRANSCATHETER VALVE REPLACEMENT**
[54] **REMPLACEMENT DE VALVULE TRANSCATHETER**
[72] BOARD, STEPHANIE MARIE, US
[72] CHALEKIAN, AARON J., US
[72] RUSSO, PATRICK P., US
[72] OSUND, JOHN, US
[73] ST. JUDE MEDICAL, CARDIOLOGY DIVISION, INC., US
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[86] 2013-12-30 (PCT/US2013/078294)
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[30] US (13/793,818) 2013-03-11

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[13] C

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[25] EN
[54] **MACHINE AND METHOD FOR ARRANGING OBJECTS IN AN ALTERNATE MANNER IN SINGLE FILE ROWS**
[54] **MACHINE ET METHODE DE DISPOSITION D'OBJETS D'UNE MANIERE AUTRE EN RANGEES SIMPLES**
[72] RAPPARINI, GINO, IT
[73] ICA S.P.A., IT
[86] (2904996)
[87] (2904996)
[22] 2015-09-24
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[54] **GYRO JOUET COMPORTANT UNE BAGUE DE GYRO POUVANT ETRE ASSEMBLEE SUR DEUX COTES**
[72] CAI, DONGQING, CN
[73] GUANGDONG ALPHA ANIMATION & CULTURE CO., LTD., CN
[73] GUANGDONG AULDEY ANIMATION & TOY CO., LTD., CN
[73] GUANGZHOU ALPHA CULTURE COMMUNICATIONS CO., LTD., CN
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[25] EN
[54] **METHOD AND APPARATUS FOR RECOVERING PGM AND FERROCHROME FROM PGM BEARING CHROMITE ORE**
[54] **PROCEDE ET APPAREIL POUR LA RECUPERATION DE PGM ET FERROCHROME A PARTIR DE MINERAIS DE CHROMITE PORTEURS DE PGM**
[72] NARHI, LAURI, FI
[73] OUTOTEC (FINLAND) OY, FI
[85] 2015-09-15
[86] 2014-03-25 (PCT/FI2014/050214)
[87] (WO2014/154945)
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[25] EN
[54] **VISCOUS FLUID DILUTION SYSTEM AND METHOD THEREOF**
[54] **SYSTEME DE DILUTION DE FLUIDE VISQUEUX ET SON PROCEDE**
[72] WEINSTEIN, JEREMY L., US
[72] LAMBERT, BRYAN SCOTT, US
[72] GLORIA, ABEL A., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-09-21
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[25] EN
[54] **SPOT WELDING METHOD**
[54] **PROCEDE DE SOUDAGE PAR POINTS**
[72] FURUSAKO, SEIJI, JP
[72] WATANABE, FUMINORI, JP
[72] MIYAZAKI, YASUNOBU, JP
[72] OKADA, TOHRU, JP
[72] ZENIYA, TASUKU, JP
[72] SATO, KOICHI, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
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[86] 2014-04-16 (PCT/JP2014/060848)
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[11] 2,909,505
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[25] EN
[54] **EXTENDABLE COMFORT HEADREST**
[54] **APPUI-TETE CONFORTABLE EXTENSIBLE**
[72] SZCZYGIEL, LINDSEY, US
[72] MIZUNO, RYOSUKE, US
[72] HOWLETT, MIKE, US
[72] BASKIN, BRADLEY, US
[73] AISIN TECHNICAL CENTER OF AMERICA, INC., US
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[30] US (14/566,079) 2014-12-10

[11] 2,910,818
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[51] **Int.Cl.** F16K 7/06 (2006.01) A47J 31/46 (2006.01) F16K 7/00 (2006.01)
[25] EN
[54] **PINCH VALVE FOR LIQUID DISPENSER**
[54] **ROBINET A MANCHON POUR DISTRIBUTEUR DE LIQUIDE**
[72] WILSON, AVERY, CA
[72] COLE, DEREK, CA
[72] GAY, BRIAN, CA
[72] TOFFLEMIRE, JEFFREY, CA
[72] MACLEAN, IAN, CA
[73] A.C. DISPENSING EQUIPMENT INC., CA
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[87] (2910818)
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[11] 2,911,324
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[25] EN
[54] **TERMINAL TABLE AND TERMINAL TABLE UNIT**
[54] **TABLE DE TERMINAL ET MODULE DE TABLE DE TERMINAL**
[72] YAMAUCHI, YUJI, JP
[72] NAKAZATO, HIDEKI, JP
[72] SEKINE, HIROYUKI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2911324)
[87] (2911324)
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[54] **HIGH-PRESSURE TANK
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[72] KOMIYA, KENJI, JP
[72] KONDO, MASAOKI, JP
[72] YAMASHITA, AKIRA, JP
[72] INAGI, SHUUSUKE, JP
[73] TOYOTA JIDOSHA KABUSHIKI
KAISHA, JP
[86] (2911572)
[87] (2911572)
[22] 2015-11-06
[30] JP (2014-231825) 2014-11-14

[11] 2,911,586
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H01M 8/02 (2016.01)**
[25] EN
[54] **FUEL CELL SYSTEM
SYSTEME DE PILE A
COMBUSTIBLE**
[72] NAGANO, SHUJI, JP
[72] YAGAMI, YUICHI, JP
[73] TOYOTA JIDOSHA KABUSHIKI
KAISHA, JP
[86] (2911586)
[87] (2911586)
[22] 2015-11-06
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[11] 2,911,612
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[25] EN
[54] **AUDIO DEVICE WITH A VOICE
COIL CHANNEL AND A
SEPARATELY AMPLIFIED
TELECOIL CHANNEL**
[54] **DISPOSITIF AUDIO AVEC CANAL
DE BOBINE ACOUSTIQUE ET
CANAL DE PHONOCAPEUR
AMPLIFIE SEPAREMENT**
[72] DAVE, RUCHIR M., US
[72] CHEN, SHAOHAI, US
[73] APPLE INC., US
[86] (2911612)
[87] (2911612)
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[25] EN
[54] **APPARATUS AND METHODS FOR
RESIZING ELECTRONIC
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[54] **APPAREIL ET PROCEDE POUR
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[72] TANNAS, LAWRENCE E., JR., US
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[25] EN
[54] **SUPPORT FOR ROOF
PENETRATING STRUCTURES**
[54] **STRUCTURE PORTANTE POUR
STRUCTURES DE PENETRATION
DE TOIT**
[72] PENDLEY, TIMOTHY, US
[72] MCCLAIN, MICHAEL J., US
[73] T&M INVENTIONS, LLC, US
[86] (2914882)
[87] (2914882)
[22] 2009-10-01
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[11] 2,915,388
[13] C

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[25] FR
[54] **CONNECTOR FOR A STICK FOR
THROWING A CURLING STONE**
[54] **CONNECTEUR DE BATON LANCE
PIERRE DE CURLING**
[72] GAGNE, GASTON G. G., CA
[73] GAGNE, GASTON G. G., CA
[86] (2915388)
[87] (2915388)
[22] 2015-12-14

[11] 2,916,383
[13] C

[51] **Int.Cl. E21B 33/13 (2006.01) E21B
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[25] EN
[54] **IMPROVED COUPLING FOR A
CEMENT HEAD**
[54] **COUPLAGE AMELIORE D'UNE
TETE DE CIMENTAGE**
[72] BEISEL, JOE A., US
[72] ROGOZ/INSKI, NICOLAS, US
[73] HALLIBURTON ENERGY
SERVICES, INC., US
[85] 2015-12-21
[86] 2013-08-12 (PCT/US2013/054464)
[87] (WO2015/023248)

[11] 2,916,903
[13] C

[51] **Int.Cl. E04F 13/21 (2006.01) E04D
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[25] EN
[54] **POLYMER BUILDING PRODUCT
WITH REARWARDLY
EXTENDING STAND-OFF**
[54] **PRODUIT DE CONSTRUCTION EN
POLYMERE AYANT UNE
PORTION DECALEE SE
PROLONGEANT VERS
L'ARRIERE**
[72] GAUDREAU, MICHEL, CA
[72] LAGLOIRE, FRANCOIS, CA
[72] ALARIE, GUILLAUME, CA
[72] BILODEAU, RENE, CA
[72] GAUDREAU, LOUIS-ANDRE, CA
[73] DERBY BUILDING PRODUCTS
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[25] FR
[54] **METHOD AND SYSTEM FOR MONITORING A PHASE FOR TRANSFERRING A SATELLITE FROM AN INITIAL ORBIT TO A MISSION ORBIT**
[54] **PROCEDE ET SYSTEME DE SURVEILLANCE D'UNE PHASE DE TRANSFERT D'UN SATELLITE D'UNE ORBITE INITIALE VERS UNE ORBITE DE MISSION**
[72] AYMES, JEAN-MARC, FR
[73] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2015-12-23
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[51] Int.Cl. B64D 45/00 (2006.01) B64D 43/00 (2006.01) B64D 47/00 (2006.01)
[25] EN
[54] **SELF-REFERENCING SENSORS FOR AIRCRAFT MONITORING**
[54] **CAPTEURS A AUTO REFERENCEMENT DESTINES A LA SURVEILLANCE D'AERONEF**
[72] TUCKER, BRIAN, US
[72] CONRAD, KEVIN, US
[72] THOMPSON, CHRIS, US
[72] JOHNSON, BRANDON, US
[73] BELL HELICOPTER TEXTRON INC., US
[86] (2920269)
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[30] US (14/622,403) 2015-02-13

[11] 2,923,901
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[51] Int.Cl. B26B 19/04 (2006.01)
[25] EN
[54] **HAIR TRIMMER BLADE SET WITH ADJUSTABLE BLADES**
[54] **ENSEMBLE DE LAMES DE COUPE-CHEVEUX A LAMES AJUSTABLES**
[72] BUCK, ROBERT N., JR., US
[72] MELTON, SCOTT, US
[73] WAHL CLIPPER CORPORATION, US
[86] (2923901)
[87] (2923901)
[22] 2016-03-16
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[13] C

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[54] **HYDRAULIC CONTROL DEVICE FOR DRIVE POWER DISTRIBUTION DEVICE**
[54] **DISPOSITIF DE COMMANDE HYDRAULIQUE POUR DISPOSITIF DE DISTRIBUTION DE PUISSANCE D'ENTRAINEMENT**
[72] YOSHIDA, YUMA, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2016-03-31
[86] 2014-09-30 (PCT/JP2014/076008)
[87] (WO2015/053129)
[30] JP (2013-210207) 2013-10-07

[11] 2,930,439
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[51] Int.Cl. A63G 21/02 (2006.01)
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[54] **PLAYGROUND SLIDE**
[54] **TOBOGGAN D'AIRE DE JEUX**
[72] VANDYKE, LYNN, US
[72] KEARL, JACOB, US
[73] LIFETIME PRODUCTS, INC., US
[85] 2016-05-11
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[30] US (61/914,874) 2013-12-11
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[13] C

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[25] EN
[54] **PORTABLE DECONTAMINATION UNIT**
[54] **UNITE DE DECONTAMINATION PORTABLE**
[72] LEIGHT, STEVEN D., US
[72] PEDERSEN, CAMERON J., US
[72] ZELINA, FRANCIS J., US
[73] AMERICAN STERILIZER COMPANY, US
[85] 2016-05-24
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[30] US (61/921,586) 2013-12-30
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[11] 2,933,064
[13] C

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[25] EN
[54] **METHOD AND SYSTEM FOR MANAGING A PLURALITY OF CRITICAL FUNCTIONS IN AN AIRCRAFT**
[54] **PROCEDE ET SYSTEME POUR LA GESTION D'UNE PLURALITE DE FONCTIONS CRITIQUES DANS UN AERONEF**
[72] GANSMANDEL, FRANCK, CA
[72] NACOUZI, JACQUES, CA
[72] ALEPINS, ETIENNE, CA
[72] NAZON, YVON, CA
[72] CADOTTE, PATRICK, CA
[72] CLEMENT, FREDERICK, CA
[73] THALES CANADA INC., CA
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[54] **TIRE BUFFING APPARATUS
WITH BELT DETECTION
SYSTEM**
[54] **APPAREIL DE MEULAGE DE
PNEU EQUIPE D'UN SYSTEME DE
DETECTION DE NAPPE
D'ARMATURE**
[72] KOST, TROY A., US
[73] BRIDGESTONE BANDAG, LLC, US
[85] 2016-06-20
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[30] US (61/920,267) 2013-12-23

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[13] C

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[25] EN
[54] **MANUALLY OPERATED
BALANCING WEIGHT
DISPENSER**
[54] **DISTRIBUTEUR DE POIDS
D'EQUILIBRAGE MIS EN ŒUVRE
MANUELLEMENT**
[72] HORNUNG, THOMAS, DE
[73] WEGMANN AUTOMOTIVE GMBH
& CO. KG, DE
[85] 2016-06-21
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[25] EN
[54] **TEMPERATURE-COMPENSATED
STRAIN-BASED TRANSDUCER
OPERATING ON DIFFERENTIAL
MEASUREMENT**
[54] **TRANSDUCTEUR A BASE DE
CONTRAINTE A COMPENSATION
DE TEMPERATURE
FONCTIONNANT SUR DES
MESURES DIFFERENTIELLES**
[72] LEBLANC, MICHEL JOSEPH, US
[73] HALLIBURTON ENERGY
SERVICES, INC., US
[85] 2016-06-30
[86] 2014-03-20 (PCT/US2014/031346)
[87] (WO2015/142343)

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[13] C

[51] **Int.Cl. G02F 1/15 (2006.01)**
[25] EN
[54] **SELF-DIMMING SYSTEM**
[54] **SYSTEME A AUTO-VARIATION
D'INTENSITE**
[72] UCHIYAMA, NAOKI, JP
[72] KANAI, TOMOMI, JP
[73] ATSUMITEC CO., LTD., JP
[85] 2016-07-18
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[87] (WO2015/111630)
[30] JP (2014-009465) 2014-01-22

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[13] C

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[72] JENKINS, CAMERON, US
[73] BOND MANUFACTURING CO.,
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[86] (2940326)
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[22] 2016-08-29
[30] CN (2016200974249) 2016-02-01

[11] 2,943,967
[13] C

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[25] EN
[54] **MOBILE PUSH NOTIFICATION**
[54] **NOTIFICATION DE TRANSFERT
MOBILE**
[72] ZADOROZNY, RICHARD
KENNETH, US
[72] TALWAR, MOHIT, US
[72] POPOV, LEV, US
[72] YAO, ROSE, US
[73] FACEBOOK, INC., US
[86] (2943967)
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[22] 2013-11-04
[62] 2,893,486
[30] US (13/718,273) 2012-12-18

[11] 2,946,918
[13] C

[51] **Int.Cl. F27D 11/10 (2006.01) F16J
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[25] EN
[54] **SLEEVE SEAL FOR ELECTRIC
FURNACE ELECTRODES**
[54] **JOINT DE MANCHON POUR
ELECTRODES DE FOUR
ELECTRIQUE**
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[73] HATCH LTD., CA
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[54] **METHOD FOR PREPARATION OF
ALKYLATED OR FLUORO,
CHLORO AND FLUOROCHLORO
ALKYLATED COMPOUNDS BY
HETEROGENEOUS CATALYSIS**
[54] **PROCEDE DE PREPARATION DE
COMPOSES ALKYLES OU
FLUORO, CHLORO ET
FLUOROCHLORO ALKYLES PAR
CATALYSE HETEROGENE**
[72] TAESCHLER, CHRISTOPH, CH
[72] BELLER, MATTHIAS, DE
[72] NEUMANN, HILFRIED, DE
[72] HE, LIN, DE
[72] NATTE, KISHORE, DE
[72] ELLINGER, STEFAN, CH
[72] ZARAGOZA DOERWALD,
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[72] LA VENU, YOANN, FR
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[54] **PROCEDE DE FONCTIONNEMENT D'UN RESEAU AUTO-ORGANISEUR ET SYSTEME ASSOCIE**
[72] DRIBINSKI, DANIEL, IL
[72] FINKEL, EVGENY, IL
[72] EDELSTEIN, SERGEI, IL
[73] CELLWIZE WIRELESS TECHNOLOGIES LTD., IL
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[54] **INITIATEUR D'ETAT D'HORIZON MOBILE POUR APPLICATION DE COMMANDE**
[72] DOYLE, FRANCIS J., III, US
[72] GONDHIALEKAR, RAVI L., US
[72] DASSAU, EYAL, US
[73] REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **PORTABLE HEMODIALYSIS MACHINE AND DISPOSABLE CARTRIDGE WITH DIALYSIS RESERVOIR LEVEL SENSOR**
[54] **MACHINE D'HEMODIALYSE PORTABLE ET CARTOUCHE JETABLE A CAPTEUR DE NIVEAU DE RESERVOIR DE DIALYSE**
[72] GIORDANO, RENATO, US
[72] CORDER, RODNEY, US
[73] EASYDIAL, INC., US
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[25] EN
[54] **PORTABLE HEMODIALYSIS MACHINE AND DISPOSABLE CARTRIDGE WITH FLOW SENSOR**
[54] **MACHINE D'HEMODIALYSE PORTABLE ET CARTOUCHE JETABLE AVEC CAPTEUR DE DEBIT**
[72] GIORDANO, RENATO, US
[72] CORDER, RODNEY, US
[73] EASYDIAL, INC., US
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[54] **GAS ATOMIZATION OF MOLTEN MATERIALS USING BY-PRODUCT OFF-GASES**
[54] **DISPERSION PAR JET DE GAZ DE MATERIAUX FONDUS AU MOYEN DE GAZ DE DEGAGEMENT SOUS-PRODUITS**
[72] FAUCHER, SANTIAGO, CA
[72] MOSTAGHEL, SINA, CA
[72] SO, LAI CHI, CA
[72] CRAMER, MATTHEW, CA
[73] HATCH LTD., CA
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GREASE SEAL CAPS

[54] BRAS DE BARRE
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INTEGRES

[72] BLOINK, MICHAEL P., US

[72] DILWORTH, DAMON E., US

[72] ELWOOD, PAUL D., US

[72] GODING, JONATHAN W., US

[73] HENDRICKSON USA, L.L.C., US

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[54] BANQUE DE FILTRES MODULES
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[73] DOLBY INTERNATIONAL AB, NL

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[54] **METHODS FOR A PERSONAL POSTAL NOTIFICATION SYSTEM**

[54] **METHODES DESTINEES A UN SYSTEME DE NOTIFICATION POSTALE PERSONNELLE**

[72] UNKNOWN, ZZ

[71] PETROFF, SHANE J., CA

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[54] **DISPOSITIF DE GREEMENT DE CORDAGE A LONGUEUR REGLABLE ET DISPOSITIF DE LEVAGE L'EMPLOYANT**

[72] HILL, GARDNER, BRAD, CA

[71] HILL, GARDNER, BRAD, CA

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[54] **TWO WHEEL DRIVE LOW RANGE DEVICES AND SYSTEMS**

[54] **DISPOSITIFS A GAMME BASSE A ENTRAINEMENT A DEUX ROUES ET SYSTEMES**

[72] FERGUSON, JOHN D., CA

[72] FERGUSON, ANTHONY A., CA

[71] ZLOW, CA

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[54] **BENCH TOP FOR BENCH SEATS**

[54] **DESSUS DE BANC DESTINE A DES SIEGES DE BANC**

[72] PATERSON, MURDO, CA

[72] PATERSON, MAL., CA

[72] KENNEDY, SHAWN, CA

[71] CASCADIA SPORT SYSTEMS INC., CA

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[54] **MULTI-ROTOR UAV WITH COMPACT FOLDING ROTOR ARMS**

[54] **VEHICULE AERIEN MULTI-ROTOR SANS PILOTE A BRAS DE ROTOR PLIANTS COMPACTS**

[72] WOOD, GREG, CA

[71] DRAGAN, ZENON, CA

[22] 2016-01-12

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[54] **SYSTEM, METHOD AND FORMULATION FOR TREATING USED ANIMAL BEDDING**

[54] **SYSTEME, METHODE ET FORMULE DE TRAITEMENT DE LA LITIERE D'ANIMAUX USEE**

[72] CROSS, PAUL, CA

[72] STROMKINS, JENNINE, CA

[71] GREENSCENE AGRITEK INC., CA

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[54] **MECHANISM TO DETECT AND REPLACE BEHAVIORAL ADVERTISEMENTS ON INTERNET CONNECTED DEVICES**

[54] **MECANISME DE DETECTION ET DE REMPLACEMENT DE PUBLICITES COMPORTEMENTALES SUR LES DISPOSITIFS CONNECTES A INTERNET**

[72] UNKNOWN, ZZ

[71] YEE, ROBERT C., CA

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[54] **MULTIPLE SPORT TRAINING DEVICE**

[54] **APPAREIL D'ENTRAINEMENT MULTI SPORT**

[72] EDWARD, ERME ERIC, CA

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[54] **METHODS AND APPARATUS FOR CRYSTALLIZATION OF SALTS**

[54] **METHODES ET APPAREIL DE CRISTALLISATION DES SELS**

[72] BESANT, ROBERT W., CA

[72] EVITT, RICHARD W., CA

[72] NIE, XIAODONG, US

[72] PODDER, JIBAN, CA

[71] UNIVERSITY OF SASKATCHEWAN, CA

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 [72] HUNG, CHRIS, CA
 [72] FIELDING, PAIGE, US
 [71] NOVA CHEMICALS CORPORATION, CA
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 [54] METHODE DE FABRICATION AUTOMATISEE DE PIECES DE TISSUS COMPOSITES A MOTIFS DOTEES A RABATS DE RESSOURCES DE COUTURE
 [72] REUBEN, RONIE, CA
 [71] REUBEN, RONIE, CA
 [22] 2016-01-13
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 [54] PRE-POPULATED CONTAINERIZED MODULE OF SUBASSEMBLY AND COMPONENTS FROM WHICH TO CONSTRUCT LARGE-SCALE INDUSTRIAL FACILITIES
 [54] MODULE PARTITIONNE PREREMPLI DE SOUS-ENSEMBLE ET COMPOSANTES A PARTIR DESQUELLES CONSTRUIRE DES INSTALLATIONS INDUSTRIELLES A GRANDE ECHELLE
 [72] HARPER, ROSS, CA
 [71] MODULAR EYES INC., CA
 [22] 2016-01-11
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 [54] SYSTÈME, METHODE ET APPAREIL D'INSTALLATION D'UN TUBE DE TORSION
 [72] FAMA, ANTHONY PAUL, US
 [72] DAESCHNER, BERND, US
 [71] GENERAL ELECTRIC COMPANY, US
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 [54] COMMUTATEUR DE TRANSFERT STATIQUE INTELLIGENT DOTE D'ELECTRICITE DOMESTIQUE INTELLIGENT
 [72] NABAVI NIAKI, SEYED ALI AN, CA
 [71] NABAVI NIAKI, SEYED ALI AN, CA
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 [72] DELL, TREVOR JAMES, CA
 [72] WHITE, ADAM KEITH, CA
 [72] MCFADZEAN, DAVID BRUCE, CA
 [72] THOMAS, MONROE MILAS, CA
 [72] RAKITINE, OLEG VALERIEVITCH, CA
 [72] UNGER, MARK LEON, CA
 [72] SRIMOHANARAJAH, KIRUSHIA, CA
 [72] SELA, GAL, CA
 [72] ABHARI, KAMYAR, CA
 [72] FERNALD, BRADLEY ALLAN, CA
 [72] BABBY, WILLIAM DENNIS, CA
 [71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
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 [25] EN
 [54] COMMUNICATION SYSTEM AND METHOD FOR MULTI-LINE, MULTI-DEVICE SERVICE WITH USER CAPABILITY DISCOVERY
 [54] SYSTÈME DE COMMUNICATION ET METHODE DE SERVICE MULTILIGNE MULTIDISPOSITIF A DECOUVERTE DE CAPACITE UTILISATEUR
 [72] BASAVARAJ, VIVEK, US
 [72] SHARMA, ANISH, US
 [72] BARERIA, JYOTIRMAY, US
 [71] MITEL NETWORKS CORPORATION, CA
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[25] EN

[54] **END CYCLE FILM CUTTER**

[54] **COUPE-PELLICULE DE CYCLE DE FIN**

[72] MACKIE, LAURIE ROBERT, CA

[72] LOU, DEFU, CA

[71] 1137508 ON LTD., CA

[22] 2016-01-14

[41] 2017-07-14

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[25] EN

[54] **VEHICLE FLOOR MAT WITH FLEXIBLE PERIPHERAL PORTION**

[54] **TAPIS DE PLANCHER D'AUTOMOBILE DOTE D'UNE PORTION PERIPHERIQUE SOUPLE**

[72] BOUCHARD, BENOIT, CA

[71] KOOLATRON CORPORATION, CA

[22] 2016-01-15

[41] 2017-07-15

[21] 2,918,008
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[54] **SHOULDER PADS**

[54] **EPAULETTES**

[72] LEMIEUX, ERIC, CA

[72] MARTIN, HUGO, CA

[72] LAVALLEE, ALEXANDRE, CA

[72] JEAN, PHILIPPE, CA

[71] BAUER HOCKEY CORP., CA

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[13] A1

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[54] **MOVABLE SINK**

[54] **EVIER MOBILE**

[72] EKJERJIAN, CARLO, CA

[71] EKJERJIAN, CARLO, CA

[22] 2016-01-15

[41] 2017-07-15

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[13] A1

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[25] EN

[54] **LIGHTED GUIDE FOR A SNOW PLOW BLADE**

[54] **GUIDE LUMINEUX DESTINE A UNE LAME DE CHASSE-NEIGE**

[72] CORDINGLEY, DONALD GEORGE, CA

[71] CORDINGLEY, DONALD GEORGE, CA

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[21] 2,918,102
[13] A1

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[25] EN

[54] **REMOTE THROTTLE CONTROL FOR A THROTTLE TRIGGER OF A VEHICLE**

[54] **TELECOMMANDE D'ACCELERATEUR D'UNE COMMANDE D'ACCELERATEUR D'UN VEHICULE**

[72] DESJARLAIS, MATTHEW G., CA

[71] MATTCO ENTERPRISES LTD., CA

[22] 2016-01-15

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[25] EN

[54] **PORTABLE OZONE GENERATOR**

[54] **GENERATEUR D'OZONE PORTATIF**

[72] HUANG, CANJUN, CN

[71] VOLTNER, BARRY, CA

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[54] **METHODE ET APPAREIL D'EXTRACTION DES GAZ ACIDES DE SOLUTION D'EAU SALEE RENFERMANT DES HYDROCARBURES**

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[72] HANNA, TY, US

[71] APACHE CORPORATION, US

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[13] A1

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[54] **METHODE D'OFFRE DE RABAIS EN FONCTION DES VENTES**

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[54] **WIRELESS CONTROLLED THERMOSTAT WITH REDUCED POLLING COMMUNICATIONS DURING PREDICTED PERIODS OF LOW ACTIVITY TO SAVE POWER**
[54] **THERMOSTAT COMMANDE SANS FIL OFFRANT DES COMMUNICATIONS DE SONDAGE REDUITES PENDANT LES PERIODES PREDITES DE FAIBLE ACTIVITE EN VUE D'ECONOMISER DE L'ENERGIE**
[72] YAU FUNG PUN, JERRY, HK
[72] YEUK LAM HO, ANSON, HK
[72] WAI SING LAW, VINCENT, HK
[71] EDWIN MCAULEY ELECTRONICS LTD, HK
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[13] A1

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[54] **SYSTEME DE DOSAGE DE PRODUIT CHIMIQUE**
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[72] ALSJEJEN, JIM, US
[72] BREKKE, JAMIE, US
[72] CARLSON, ALEX, US
[72] REGENBRECHT, KURT, US
[71] ANDERSON CHEMICAL COMPANY, US
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[25] EN
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[54] **APPAREIL D'ELEVAGE DE POUSSINS COMPRENANT UNE BANDE DE PAPIER**
[72] MAENDEL, ANDREW, CA
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[54] **GENERATEUR D'OZONE PORTATIF**
[72] HUANG, CANJUN, CN
[71] POG TECHNOLOGIES INC., CA
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[13] A1

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[25] EN
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[54] **RACCORD DE TERMINAISON POUR TUBE D'EVACUATION**
[72] NAGAN, JOSEPH P., US
[71] SILVER ANGELS, LLC, US
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[13] A1

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[54] **UNE ELECTRODE A OXYGENE ET SA METHODE DE FABRICATION**
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[72] HOSSEINI, POOYA, CA
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[13] A1

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[25] EN
[54] **AIRCRAFT INFORMATION RETRIEVAL USING ONBOARD RFID TAGS**
[54] **EXTRACTION DE RENSEIGNEMENTS RELATIFS A UN AERONEF AU MOYEN DE BALISES RFID EMBARQUEES**
[72] GLATFELTER, JOHN WILLIAM, US
[71] THE BOEING COMPANY, US
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[71] THE BOEING COMPANY, US
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[54] COUVERTURES DE TRAVÉE D'AERONEF OFFRANT DES FONCTIONNALITES DE DRAINAGE AMELIOREES
[72] IRWIN, ROBERT M., US
[72] LARSON, MARK L., US
[71] THE BOEING COMPANY, US
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[13] A1

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[72] CHUCK, CHEN, US
[71] THE BOEING COMPANY, US
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[13] A1

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[54] SYSTEMES ET METHODES DE DETECTION DE FUITE DE CARBURANT
[72] HUMPHREY, KETI D., US
[72] SAFAI, MORITZA, US
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[13] A1

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[54] ANALYSE DE DONNEES DE CONDUCTEUR
[72] GLOUDEMANS, KARI LYNN, US
[72] DUBOIS, KARI ANN, US
[72] BOYNTON, RYAN ROBERT, US
[72] GONNERING, JEFFREY ALLIN, US
[72] OWEN, NATHAN HOWARD, US
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[13] A1

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[54] DEVICE, METHOD AND SYSTEM FOR AUTONOMOUS SELECTION OF A COMMODITY SUPPLIER THROUGH A BLOCKCHAIN DISTRIBUTED DATABASE
[54] APPAREIL, METHODE ET SYSTEME DE SELECTION AUTONOME D'UN FOURNISSEUR DE BIENS AU MOYEN D'UNE BASE DE DONNEES DISTRIBUEE A CHAÎNE DE BLOCS
[72] SCHIATTI, LUCA, FR
[72] MILAZZO, ANDREA, FR
[72] GIORDANO, GIUSEPPE, FR
[72] VIALE, EMMANUEL, FR
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
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[21] 2,950,666
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[25] EN
[54] METHOD AND APPARATUS FOR MANUFACTURING SHAKES
[54] METHODE ET APPAREIL DE FABRICATION DE VIBRATIONS
[72] MEER, BROOKE, CA
[71] ANBROOK INDUSTRIES LTD., CA
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[21] 2,951,308
[13] A1

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[54] MACHINE DE DEVELOPPEMENT DE MATRICE D'IMPACT NUMERIQUE
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[72] SAXENA, ANKUR, IN
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
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[13] A1

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[54] CLAPET ANTIRETOUR A
FERMETURE ACCELEREE
[72] ABOUELLEIL, ASHRAF, US
[72] RAMIREZ, JULIAN, US
[72] SAVALIA, PURUSHOTTAM, US
[71] MUELLER INTERNATIONAL, L.L.C.,
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[30] US (14/994,741) 2016-01-13

[21] 2,951,679
[13] A1

[51] Int.Cl. B60R 16/02 (2006.01)
[25] EN
[54] REMOTE FUNCTION CONTROL
SYSTEM WITH REMOTE
FUNCTION DEVICE AND
ASSOCIATED WIRELESS
SECURITY SENSOR FOR A
VEHICLE HAVING A DATA
COMMUNICATIONS BUS AND
RELATED METHODS
[54] SYSTEME DE COMMANDE DE
FONCTION A DISTANCE DOTE
D'UN DISPOSITIF DE FONCTION
A DISTANCE ET CAPTEUR DE
SECURITE SANS FIL ASSOCIE
DESTINES A UN VEHICULE
EQUIPE D'UN BUS DE
COMMUNICATION DE DONNEES
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[72] FLICK, KENNETH E., US
[71] OMEGA PATENTS, L.L.C., US
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[21] 2,951,747
[13] A1

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[25] EN
[54] REMOTE FUNCTION DEVICE
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[54] DISPOSITIF DE FONCTION A
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[21] 2,951,764
[13] A1

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[25] EN
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GENERATION WITH
NEUTRALIZED HEAD PRESSURE
PUMP
[54] METHODE SYNERGIQUE DE
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D'UNE POMPE A PRESSION
NEUTRALISEE
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[71] HANNA, IBRAHIM, US
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[25] EN
[54] REMOTE FUNCTION CONTROL
SYSTEM WITH WIRELESS
DATABUS DEVICE AND
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SECURITY SENSOR FOR A
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COMMUNICATIONS BUS AND
RELATED METHODS
[54] SYSTEME DE COMMANDE DE
FONCTION A DISTANCE DOTE
D'UN DISPOSITIF A BUS DE
DONNEES SANS FIL ET CAPTEUR
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[54] BOITIER DE CONFINEMENT
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INTERNE
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[72] SYNNOIT, RIMY, CA
[71] PRATT & WHITNEY CANADA
CORP., CA
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[54] **INSTALLATION TOOLS AND PRE-HUNG DOOR WITH THE SAME**
[54] **OUTILS D'INSTALLATION ET PORTE MONTEE COMPORTANT LESDITS OUTILS**
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[72] MITCHELL, MICHAEL K., US
[71] ENDURA PRODUCTS, INC., US
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[21] **2,952,363**
[13] A1

[51] **Int.Cl. B65D 81/02 (2006.01) E04G 21/00 (2006.01) E06B 1/04 (2006.01)**
[25] EN
[54] **SHIPPING SYSTEM WITH PRE-HUNG DOOR**
[54] **DISPOSITIF D'EXPEDITION DOTE D'UNE PORTE MONTEE**
[72] PROCTON, BRUCE E., US
[72] JASKIEWICZ, TOMASZ, US
[72] MITCHELL, MICHAEL K., US
[71] ENDURA PRODUCTS, INC., US
[22] 2016-12-20
[41] 2017-07-15
[30] US (62/279,025) 2016-01-15

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[13] A1

[51] **Int.Cl. G01M 13/00 (2006.01) A01B 33/08 (2006.01) G01R 33/07 (2006.01)**
[25] EN
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[54] **DISPOSITIF DE CAPTEUR D'OUTIL PENETRANT LE SOL AGRAIRE**
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[72] BJERKETVEDT, ADAM D., US
[71] PRECISION AG 360, INC., US
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[13] A1

[51] **Int.Cl. B60S 1/40 (2006.01)**
[25] FR
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[54] **EMBOUT D'EXTREMITE POUR UN BALAI D'ESSUIE-GLACE DE VEHICULE**
[72] JOMARD, OLIVIER, FR
[71] VALEO SYSTEMES D'ESSUYAGE, FR
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[30] FR (16 50 311) 2016-01-15

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[13] A1

[51] **Int.Cl. H01H 71/10 (2006.01)**
[25] EN
[54] **A SWITCHING DEVICE WITH A SUSPENDED MOBILE CONTACT ASSEMBLY**
[54] **UN DISPOSITIF DE COMMUTATION DOTE D'UN MECANISME DE CONTACT MOBILE SUSPENDU**
[72] BRESCIANI, NICOLA, IT
[72] ROTA MARTIR, ROBERTO, IT
[71] ABB S.P.A., IT
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[13] A1

[51] **Int.Cl. E06B 1/70 (2006.01) E06B 7/16 (2006.01)**
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[54] **SILL PAN**
[54] **PLATEAU D'APPUI**
[72] HEID, GEORGE, US
[72] JASKIEWICZ, TOMASZ, US
[71] ENDURA PRODUCTS, INC., US
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[30] US (62/279,032) 2016-01-15

[21] **2,953,514**
[13] A1

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[25] EN
[54] **ADJUSTABLE SHIM AND PRE-HUNG DOOR WITH THE SAME**
[54] **CALE AJUSTABLE ET PORTE MONTEE COMPORTANT LADITE CALE**
[72] MITCHELL, MICHAEL K., US
[71] ENDURA PRODUCTS, INC., US
[22] 2017-01-03
[41] 2017-07-15
[30] US (62/279,031) 2016-01-15
[30] US (15/392,141) 2016-12-28

[21] **2,953,528**
[13] A1

[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/35 (2016.01) A61B 8/14 (2006.01) G08B 21/18 (2006.01)**
[25] EN
[54] **SYSTEM FOR ROBOT-ASSISTED CONTROL OF A TRANSRECTAL PROBE, FOR EXAMPLE FOR USE IN CARRYING OUT PROSTATE ECHOGRAPHY**
[54] **MECANISME DE COMMANDE ASSISTEE PAR ROBOT D'UNE SONDE TRANSRECTALE, PAR EXEMPLE SERVANT A MENER UNE ECHOGRAPHIE DE LA PROSTATE**
[72] IPPOLITO, MASSIMO, IT
[72] BORDEGNONI, STEFANO, IT
[71] COMAU S.P.A., IT
[22] 2017-01-03
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[13] A1

[51] **Int.Cl. F16F 9/32 (2006.01) B64C 25/58 (2006.01) F16J 1/02 (2006.01) F16J 10/04 (2006.01)**
[25] EN
[54] **SHOCK STRUT**
[54] **JAMBE A AMORTISSEUR**
[72] SCHMIDT, ROBERT KYLE, GB
[71] SAFRAN LANDING SYSTEMS UK LIMITED, GB
[22] 2017-01-03
[41] 2017-07-14
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 [13] A1

[51] **Int.Cl. F01D 9/02 (2006.01) F01D 25/12 (2006.01) F02C 7/12 (2006.01)**
 [25] EN
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 [54] **MOTEUR DE TURBINE A GAZ DOTE D'UN SEGMENT DE BUSE REFROIDI**
 [72] HERNANDEZ, WILHELM RAMON, US
 [72] DEMERS, DANIEL EDWARD, US
 [72] HOOPER, TYLER FREDERICK, US
 [72] CORREIA, VICTOR HUGO SILVA, US
 [71] GENERAL ELECTRIC COMPANY, US
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 [41] 2017-07-11
 [30] US (14/992,432) 2016-01-11

[21] **2,953,614**
 [13] A1

[51] **Int.Cl. F25J 1/02 (2006.01) F25J 3/08 (2006.01)**
 [25] EN
 [54] **REDUCING REFRIGERATION DUTY ON A REFRIGERATION UNIT IN A GAS PROCESSING SYSTEM**
 [54] **REDUCTION DE LA CHARGE DE REFRIGERATION D'UN MODULE DE REFRIGERATION DANS UN SYSTEME DE TRAITEMENT DE GAZ**
 [72] ANDRADE, EDUARDO, US
 [72] DAVANI, NEGAR, US
 [72] KENNEDY, DAVID ALLEN, US
 [72] ZIGTEMA, JOHN RAYMOND, US
 [71] GE OIL & GAS, INC., US
 [22] 2017-01-05
 [41] 2017-07-11
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[21] **2,953,615**
 [13] A1

[51] **Int.Cl. F01D 25/24 (2006.01) B32B 5/08 (2006.01) F01D 9/02 (2006.01)**
 [25] EN
 [54] **METHOD AND SYSTEM FOR FIBER REINFORCED COMPOSITE PANELS**
 [54] **METHODE ET SYSTEME DESTINES A DES PANNEAUX EN COMPOSITE RENFORCES DE FIBRES**
 [72] XIE, MING, US
 [71] GENERAL ELECTRIC COMPANY, US
 [22] 2017-01-05
 [41] 2017-07-15
 [30] US (14/996,626) 2016-01-15

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 [13] A1

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 [25] EN
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 [54] **METHODE ET SYSTEME DE CONTROLE DE LA SURFACE D'AERATION D'UN CAPOT CENTRAL**
 [72] CHILLAPALLI, DURGA SRINIVAS, IN
 [72] KUMAR, HEMANTH GUDIBANDE SATHYAKUMAR, IN
 [72] MONDAL, BHASKAR NANDA, IN
 [72] PAL, KISHANJIT, IN
 [72] SHEVAKARI, SUSHILKUMAR GULABRAO, IN
 [72] MONIZ, THOMAS ORY, US
 [71] GENERAL ELECTRIC COMPANY, US
 [22] 2017-01-05
 [41] 2017-07-14
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[21] **2,953,746**
 [13] A1

[51] **Int.Cl. B66C 1/66 (2006.01) B25B 1/02 (2006.01) B25B 1/20 (2006.01) E21B 19/02 (2006.01)**
 [25] EN
 [54] **SUPPORT CLAMP**
 [54] **PINCE DE SUPPORT**
 [72] REYNOLDS, FREDERICK J., US
 [72] SOULE, WAYNE D., US
 [72] DEAN, ELVIS E., US
 [71] WESTERN TECHNOLOGY SERVICES INTERNATIONAL, INC., US
 [22] 2017-01-06
 [41] 2017-07-12
 [30] US (62/277,725) 2016-01-12

[21] **2,953,915**
 [13] A1

[51] **Int.Cl. F22G 3/00 (2006.01) E21B 43/24 (2006.01)**
 [25] EN
 [54] **METHOD AND APPARATUS FOR SUPERHEATING STEAM FOR STEAM ASSISTED GRAVITY DRAINAGE**
 [54] **METHODE ET APPAREIL DE SURCHAUFFAGE DE LA VAPEUR DESTINES AU DRAINAGE PAR GRAVITE AU MOYEN DE VAPEUR**
 [72] SEABA, JAMES, US
 [71] SEABATECH LLC, US
 [22] 2017-01-09
 [41] 2017-07-11
 [30] US (62/277,206) 2016-01-11

[21] **2,953,930**
 [13] A1

[51] **Int.Cl. F16J 15/10 (2006.01)**
 [25] EN
 [54] **SYSTEM, METHOD AND APPARATUS FOR LOW PROFILE SEAL**
 [54] **SYSTEME, METHODE ET APPAREIL DESTINES A UN JOINT PROFILE**
 [72] CLAPPER, JOSHUA E., US
 [72] DEAN, ROY, US
 [72] MAGARGAL, JOHN R., US
 [71] NORTH AMERICAN SPECIALTY PRODUCTS LLC, US
 [22] 2017-01-06
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[51] **Int.Cl. F25D 17/04 (2006.01) F25D 11/00 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER INCLUDING COIL END CLOSE-OFF COVER**
[54] **ECHANGEUR THERMIQUE COMPORTANT UN COUVERCLE DE FERMETURE D'EXTREMITE DE SERPENTIN**
[72] REDE, JACOB J., US
[71] HUSSMANN CORPORATION, US
[22] 2017-01-09
[41] 2017-07-12
[30] US (14/993,715) 2016-01-12

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[13] A1

[51] **Int.Cl. G01M 9/06 (2006.01) F01D 9/02 (2006.01) G01M 15/14 (2006.01)**
[25] EN
[54] **USING SCANNED VANES TO DETERMINE EFFECTIVE FLOW AREAS**
[54] **UTILISATION DE LA NUMERISATION DES AUBES POUR DETERMINER LES SURFACES D'ECOULEMENT EFFICACES**
[72] BURKETT, BRADLEY W., US
[71] ROLLS-ROYCE ENGINE SERVICES-OAKLAND INC., US
[22] 2017-01-09
[41] 2017-07-14
[30] US (14/995,781) 2016-01-14

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[13] A1

[51] **Int.Cl. A63B 63/00 (2006.01)**
[25] EN
[54] **BALL GAME GOAL**
[54] **BUT DE JEU DE BALLE**
[72] RICHTER, FRANK, DE
[71] SPORTGERATE 2000 GMBH, DE
[22] 2017-01-09
[41] 2017-07-11
[30] DE (20 2016 100 086.6) 2016-01-11

[21] **2,954,085**
[13] A1

[51] **Int.Cl. F16D 65/00 (2006.01) B08B 15/04 (2006.01) B60T 17/00 (2006.01) B61H 5/00 (2006.01)**
[25] FR
[54] **BRAKE ASSEMBLY WITH PARTICLE CAPTURE AND DEFLECTOR**
[54] **ENSEMBLE DE FREIN A CAPTATION DE PARTICULES AVEC DEFLECTEUR**
[72] ROCCA-SERRA, CHRISTOPHE, FR
[71] TALLANO TECHNOLOGIE, FR
[22] 2017-01-06
[41] 2017-07-13
[30] FR (16 50264) 2016-01-13

[21] **2,954,101**
[13] A1

[51] **Int.Cl. B22D 17/32 (2006.01)**
[25] EN
[54] **PRESSURE CONTROL SYSTEM AND MEANS FOR PRESSURE POURING OF CAST STEEL WHEELS**
[54] **SYSTEME DE CONTROLE DE PRESSION ET MECANISME DE COULAGE A PRESSION DE ROUES EN ACIER COULE**
[72] DU, ZHONGXIAN, CN
[72] MA, HONGWEI, CN
[72] STRICKLAND, JAMES HAROLD, US
[72] ZHANG, SIJIN, CN
[72] YAN, CHENGQUN, CN
[72] SUN, JIANFEI, CN
[72] CAO, FUYANG, CN
[72] CHEN, HONGJUN, CN
[71] AMSTED RAIL COMPANY, INC., US
[22] 2017-01-09
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[30] CN (201610019713.1) 2016-01-10

[21] **2,954,102**
[13] A1

[51] **Int.Cl. F16B 7/02 (2006.01) F16C 7/00 (2006.01)**
[25] EN
[54] **COMPOSITE TUBULAR STRUCTURE**
[54] **STRUCTURE TUBULAIRE COMPOSITE**
[72] BERNARD, JAMES, GB
[72] CHASE, IAN, GB
[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB
[22] 2017-01-09
[41] 2017-07-12
[30] GB (1600593.6) 2016-01-12

[21] **2,954,108**
[13] A1

[51] **Int.Cl. F16H 1/46 (2006.01) F16H 3/44 (2006.01) F16H 57/02 (2012.01)**
[25] EN
[54] **PLANETARY GEAR ASSEMBLY**
[54] **DISPOSITIF D'ENGRENAGES PLANETAIRES**
[72] CHIUOR, BERTRAND M., FR
[71] GOODRICH ACTUATION SYSTEMS SAS, FR
[22] 2017-01-09
[41] 2017-07-12
[30] EP (16305023.0) 2016-01-12

[21] **2,954,112**
[13] A1

[51] **Int.Cl. A61B 8/00 (2006.01) A61B 8/12 (2006.01) A61B 18/12 (2006.01)**
[25] EN
[54] **TISSUE DEPTH ESTIMATION USING GATED ULTRASOUND AND FORCE MEASUREMENTS**
[54] **ESTIMATION DE LA PROFONDEUR DES TISSUS AU MOYEN DE MESURES D'ULTRASON ET DE FORCE SYNCHRONISEES**
[72] GOVARI, ASSAF, IL
[72] ALTMANN, ANDRES CLAUDIO, IL
[72] EPHIRATH, YARON, IL
[72] GLINER, VADIM, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-01-09
[41] 2017-07-11
[30] US (14/992,389) 2016-01-11

[21] **2,954,118**
[13] A1

[51] **Int.Cl. B22D 41/20 (2006.01)**
[25] EN
[54] **POURING METALLIC PLUG STICK CLAMPING MECHANISM FOR CAST STEEL WHEELS**
[54] **COULAGE DE MECANISME DE PINCEMENT DE BOUCHONNIERE DESTINE A DES ROUES EN ACIER COULE**
[72] ZHANG, SIJIN, CN
[72] YU, XUEFENG, CN
[72] STRICKLAND, JAMES HAROLD, US
[72] YAN, CHENGQUN, CN
[72] DU, ZHONGXIAN, CN
[72] HU, CHANGLING, CN
[71] AMSTED RAIL COMPANY, INC., US
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[21] 2,954,122
[13] A1

[51] **Int.Cl. B22D 17/26 (2006.01) B22D 41/14 (2006.01)**

[25] EN

[54] **LOCKING MECHANISM FOR A TANK BODY AND A TANK COVER OF A PRESSURE TANK**

[54] **MECANISME DE VERROUILLAGE DESTINE A UN CORPS DE RESERVOIR ET UN COUVERCLE DE RESERVOIR DE RESERVOIR SOUS PRESSION**

[72] ZHENG, YUEPENG, CN

[72] ZUO, YUE, CN

[72] BAI, RIZHOU, CN

[72] ZHANG, SIJIN, CN

[72] YAN, CHENGQUN, CN

[72] DU, ZHONGXIAN, CN

[72] SUN, JIANFEI, CN

[72] CAO, FUYANG, CN

[72] YANG, DONGYE, CN

[71] AMSTED RAIL COMPANY, INC., US

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[30] CN (201620028485.X) 2016-01-10

[21] 2,954,124
[13] A1

[51] **Int.Cl. E04B 2/00 (2006.01) E04B 1/70 (2006.01) E04B 1/94 (2006.01)**

[25] EN

[54] **FIRE-RATED WALL CONSTRUCTION PRODUCT**

[54] **PRODUIT DE CONSTRUCTION DE MUR COTE POUR SA RESISTANCE AU FEU**

[72] PILZ, DONALD A., US

[71] CALIFORNIA EXPANDED METAL PRODUCTS COMPANY, US

[22] 2017-01-11

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[30] US (14/996,502) 2016-01-15

[21] 2,954,150
[13] A1

[51] **Int.Cl. F16D 65/12 (2006.01)**

[25] EN

[54] **DUAL-CONNECTION DISC BRAKE ROTOR**

[54] **ROTOR DE FREIN A DISQUE A DOUBLE CONNEXION**

[72] FAKHOURY, OMAR J., US

[72] GE, YI, US

[71] KIC LLC, US

[22] 2017-01-09

[41] 2017-07-12

[30] US (62/277576) 2016-01-12

[30] US (62/331112) 2016-05-03

[21] 2,954,154
[13] A1

[51] **Int.Cl. B25F 5/02 (2006.01) B24B 55/10 (2006.01) B25B 21/00 (2006.01) B25F 1/00 (2006.01) B25F 3/00 (2006.01) B25G 1/08 (2006.01) B25G 3/04 (2006.01) B25G 3/12 (2006.01)**

[25] EN

[54] **POWER TOOL WITH DETACHABLE AUXILIARY HANDLE**

[54] **OUTIL ELECTRIQUE A POIGNEE AUXILIAIRE DETACHABLE**

[72] VASUDEVA, KAILASH C., CA

[71] VASUDEVA, KAILASH C., CA

[22] 2017-01-10

[41] 2017-07-11

[30] US (62/277,261) 2016-01-11

[21] 2,954,160
[13] A1

[51] **Int.Cl. B65H 31/02 (2006.01) B65H 31/34 (2006.01)**

[25] EN

[54] **STACKER DEVICE FOR FLAT GOODS**

[54] **DISPOSITIF D'EMPILEMENT POUR ARTICLES PLATS**

[72] BLUME, ANDREAS, DE

[72] HARDER, VOLKER, DE

[71] FRANCO TYP-POSTALIA GMBH, DE

[22] 2017-01-10

[41] 2017-07-12

[30] DE (20 2016 100 099.8) 2016-01-12

[21] 2,954,177
[13] A1

[51] **Int.Cl. F04B 49/10 (2006.01) F04B 47/02 (2006.01) F04B 47/14 (2006.01) F04B 49/02 (2006.01)**

[25] EN

[54] **RECIPROCATING ROD PUMPING UNIT**

[54] **MODULE DE POMPAGE DE TIGE ALTERNATIF**

[72] ROBISON, CLARK E., US

[72] THOMAS, BENSON, US

[72] CHAVIRA, MICHAEL GILBERT, US

[72] GARCIA, LUIS ALBERTO, US

[72] SETO, JEFFREY WING LUN, US

[72] RAMSEY, MICHAEL CHARLES, US

[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[22] 2017-01-10

[41] 2017-07-14

[30] US (62/278,930) 2016-01-14

[30] US (15/004,260) 2016-01-22

[21] 2,954,194
[13] A1

[51] **Int.Cl. A42B 3/12 (2006.01) A42B 3/06 (2006.01)**

[25] EN

[54] **HELMET TO REDUCE TRAUMATIC BRAIN INJURIES**

[54] **CASQUE PERMETTANT DE REDUIRE LES TRAUMATISMES CEREBRAUX**

[72] PODBOY, RONALD A., US

[71] PODBOY, RONALD A., US

[22] 2017-01-12

[41] 2017-07-12

[30] US (14/993,989) 2016-01-12

[21] 2,954,292
[13] A1

[51] **Int.Cl. E06B 9/322 (2006.01) E06B 9/326 (2006.01)**

[25] EN

[54] **CORD DRIVE ASSEMBLY FOR AN ARCHITECTURAL COVERING WITH A BRAKING MEMBER AND ASSOCIATED BIASING ELEMENT**

[54] **ASSEMBLAGE D'ENTRAINEMENT DE CORDON DESTINE AU REVETEMENT ARCHITECTURAL DOTE D'UN ELEMENT DE FREINAGE ET ELEMENT D'INCLINAISON ASSOCIE**

[72] ANDERSON, RICHARD N., US

[71] HUNTER DOUGLAS INC., US

[22] 2017-01-11

[41] 2017-07-12

[30] US (62/277,638) 2016-01-12

[21] 2,954,293
[13] A1

[51] **Int.Cl. C09K 11/02 (2006.01) C09K 11/61 (2006.01) C09K 11/85 (2006.01) A61K 49/00 (2006.01)**

[25] EN

[54] **PASSIVATION OF METAL HALIDE SCINTILLATORS**

[54] **PASSIVATION DE SCINTILLATEURS AUX HALOGENURES METALLIQUES**

[72] ANDREACO, MARK S., US

[72] CAREY, ALEXANDER ANDREW, US

[72] COHEN, PETER CARL, US

[71] SIEMENS MEDICAL SOLUTIONS USA, INC., US

[22] 2017-01-11

[41] 2017-07-13

[30] US (14/994,181) 2016-01-13

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[21] 2,954,311
[13] A1

[51] **Int.Cl. E06B 9/08 (2006.01) E05F 15/665 (2015.01) A01K 1/00 (2006.01) A47H 5/00 (2006.01) A47H 5/14 (2006.01) E05F 11/00 (2006.01)**

[25] EN

[54] **A RETRACTABLE CURTAIN FOR LIVESTOCK STRUCTURES**

[54] **UN RIDEAU RETRACTABLE DE STRUCTURES DESTINEES AU BETAIL**

[72] FISHER, SAMUEL, US

[71] SHADY LANE CURTAINS, LLC, US

[22] 2017-01-12

[41] 2017-07-14

[30] US (14/995,765) 2016-01-14

[21] 2,954,312
[13] A1

[51] **Int.Cl. B23Q 17/09 (2006.01)**

[25] EN

[54] **ELECTRONICALLY CONTROLLED SUBSTRATE WORKING APPARATUS**

[54] **APPAREIL DE TRAVAIL DE SUBSTRAT A CONTROLE ELECTRONIQUE**

[72] BOHNER, STEPHAN E., CA

[71] 2141632 ONTARIO INC., CA

[22] 2017-01-12

[41] 2017-07-14

[30] US (62/278,574) 2016-01-14

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[13] A1

[51] **Int.Cl. F22G 3/00 (2006.01) F22G 1/08 (2006.01) F22G 5/16 (2006.01) F22G 7/12 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR PRODUCING SUPERHEATED STEAM BY MEANS OF THE HEAT PRODUCED IN THE BOILER OF AN INCINERATION PLANT**

[54] **METHODE ET DISPOSITIF DE PRODUCTION DE VAPEUR SURCHAUFFEE AU MOYEN DE LA CHALEUR PRODUITE DANS LA CHAUDIERE D'UNE USINE D'INCINERATION**

[72] BUHLER, NICULIN, CH

[72] KOLLER, FELIX, CH

[72] SZEPESIAZY, ISTVAN, CH

[71] HITACHI ZOSEN INOVA AG, CH

[22] 2017-01-10

[41] 2017-07-12

[30] EP (16 150 949.2) 2016-01-12

[21] 2,954,354
[13] A1

[51] **Int.Cl. E21B 43/00 (2006.01) E21B 43/16 (2006.01)**

[25] FR

[54] **PRODUCTION PROCESS FOR HYDROCARBONS INCLUDING A PRODUCTIVITY INDEX FOR WELLS UNDER THERMAL EFFECT**

[54] **PROCEDE DE PRODUCTION D'HYDROCARBURES COMPORTANT UN INDEX DE PRODUCTIVITE DES Puits SOUS EFFET THERMIQUE**

[72] GUY, NICOLAS, FR

[72] PREUX, CHRISTOPHE, FR

[72] MALINOUSKAYA, IRYNA, FR

[71] IFP ENERGIES NOUVELLES, FR

[22] 2017-01-10

[41] 2017-07-15

[30] FR (16 50 309) 2016-01-15

[21] 2,954,357
[13] A1

[51] **Int.Cl. E05F 11/10 (2006.01)**

[25] EN

[54] **INTEGRATED CASEMENT WINDOW OPERATOR AND LOCK**

[54] **MECANISME DE FONCTIONNEMENT ET DE VERROUILLAGE DE FENETRE A BATTANT INTEGRE**

[72] GRAMSTAD, DEREK RONALD, US

[71] TRUTH HARDWARE CORPORATION, US

[22] 2017-01-11

[41] 2017-07-11

[30] US (62/277337) 2016-01-11

[21] 2,954,361
[13] A1

[51] **Int.Cl. A47L 11/40 (2006.01) A47L 11/20 (2006.01) A47L 11/24 (2006.01) A47L 11/282 (2006.01) A47L 11/30 (2006.01) E01H 1/04 (2006.01) E01H 1/05 (2006.01)**

[25] EN

[54] **HIGH DUMP FLOOR SCRUBBER SWEEPER**

[54] **BALAYEUR-NETTOYEUR A PLANCHER DE BENNE ELEVE**

[72] POLLACK, JEFFREY W., US

[72] KNOWLTON, CHRISTOPHER M., US

[71] MINUTEMAN INTERNATIONAL, INC., US

[22] 2017-01-11

[41] 2017-07-12

[30] US (14/993820) 2016-01-12

[21] 2,954,365
[13] A1

[51] **Int.Cl. F16L 59/04 (2006.01) C03C 13/00 (2006.01) C03C 25/24 (2006.01) E04B 1/76 (2006.01) E04F 21/06 (2006.01)**

[25] EN

[54] **UNBONDED LOOSEFILL INSULATION**

[54] **ISOLANT EN VRAC NON LIE**

[72] EVANS, MICHAEL, US

[72] EVANS, JAMES JUSTIN, US

[72] GAVIN, PATRICK M., US

[72] SCHMITT, STEVEN, US

[72] NEWELL, TIM, US

[72] DOWNEY, WILLIAM E., US

[72] WIECHERT, KENNETH J., US

[72] DEPHENHART, JUSTIN, US

[72] COOK, DAVID MICHAEL, US

[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US

[22] 2017-01-11

[41] 2017-07-11

[30] US (62/277,348) 2016-01-11

[30] US (62/287,527) 2016-01-27

[21] 2,954,379
[13] A1

[51] **Int.Cl. G01F 23/26 (2006.01)**

[25] EN

[54] **A CYLINDER FOR PRESSURISED LIQUEFIED GAS AND A METHOD OF CALCULATING THE LIQUID VOLUME**

[54] **UN PISTON DESTINE AU GAZ LIQUEFIE SOUS PRESSION ET UNE METHODE DE CALCUL DU VOLUME DE LIQUIDE**

[72] BAYERL, WILHELM, DE

[71] LINDE AKTIENGESELLSCHAFT, DE

[22] 2017-01-12

[41] 2017-07-12

[30] GB (1600561.3) 2016-01-12

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 [13] A1
 [51] **Int.Cl. A61B 17/115 (2006.01) A61B 17/00 (2006.01)**
 [25] EN
 [54] **ADAPTER ASSEMBLY INCLUDING A REMOVABLE TROCART ASSEMBLY**
 [54] **DISPOSITIF ADAPTATEUR COMPORTANT UN MECANISME DE TROCART AMOVIBLE**
 [72] SGROI, ANTHONY, US
 [71] COVIDIEN LP, US
 [22] 2017-01-12
 [41] 2017-07-13
 [30] US (14/994,457) 2016-01-13

[21] **2,954,384**
 [13] A1
 [51] **Int.Cl. A61B 17/064 (2006.01)**
 [25] EN
 [54] **CURVILINEAR SURGICAL STAPLES**
 [54] **AGRAFES CHIRURGICALES CURVILIGNES**
 [72] SGROI, ANTHONY, US
 [71] COVIDIEN LP, US
 [22] 2017-01-12
 [41] 2017-07-13
 [30] US (14/994,370) 2016-01-13

[21] **2,954,449**
 [13] A1
 [51] **Int.Cl. F24F 13/02 (2006.01) B64D 13/00 (2006.01) F24F 3/14 (2006.01)**
 [25] EN
 [54] **LOW PRESSURE PACK**
 [54] **EMBALLAGE BASSE PRESSION**
 [72] ARMY, DONALD E., US
 [72] PEACOS, FREDERICK, III, US
 [71] HAMILTON SUNDSSTRAND CORPORATION, US
 [22] 2017-01-10
 [41] 2017-07-14
 [30] US (14/995,710) 2016-01-14

[21] **2,954,609**
 [13] A1
 [51] **Int.Cl. B60B 7/00 (2006.01)**
 [25] EN
 [54] **WHEEL HUB SAFETY DEVICES, SYSTEMS AND METHODS**
 [54] **DISPOSITIFS, SYSTEMES ET METHODES DE SECURITE DE MOYEU DE ROUE**
 [72] ELLIS, JUSTIN C., US
 [71] ELLIS, JUSTIN C., US
 [22] 2017-01-16
 [41] 2017-07-15
 [30] US (62/279,151) 2016-01-15

[21] **2,954,703**
 [13] A1
 [51] **Int.Cl. F16D 43/20 (2006.01) F16D 11/14 (2006.01) F16D 41/22 (2006.01)**
 [25] EN
 [54] **SELF-ENGAGING CLUTCH**
 [54] **EMBRAYAGE A ENGAGEMENT AUTOMATIQUE**
 [72] COLBER, WILLIAM E., JR., US
 [72] FENG, MICHAEL, US
 [71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, MO
 [22] 2017-01-12
 [41] 2017-07-13
 [30] US (14/994,177) 2016-01-13

[21] **2,954,752**
 [13] A1
 [51] **Int.Cl. A61B 5/0452 (2006.01) A61B 5/046 (2006.01)**
 [25] EN
 [54] **SYSTEM AND METHOD FOR DETECTING ATRIAL FIBRILLATION FOCAL SOURCES**
 [54] **SYSTEME ET METHODE DE DETECTION DE SOURCES FOCALES DE FIBRILLATION VENTRICULAIRE**
 [72] URMAN, ROY, IL
 [72] ZEIDAN, ZIYAD, IL
 [72] GOLDBERG, STANISLAV, IL
 [72] HAYAM, GAL, IL
 [72] BAR-TAL, MEIR, IL
 [72] ZRIHAM, YANIV BEN, IL
 [72] VERMA, ATUL, IL
 [72] AMOS, YARIV AVRAHAM, IL
 [71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
 [22] 2017-01-13
 [41] 2017-07-14
 [30] US (62/278,676) 2016-01-14
 [30] US (15/404,266) 2017-01-12

[21] **2,954,757**
 [13] A1
 [51] **Int.Cl. A61B 5/042 (2006.01) A61B 5/06 (2006.01)**
 [25] EN
 [54] **NON-OVERLAPPING LOOP-TYPE OR SPLINE-TYPE CATHETER TO DETERMINE ACTIVATION SOURCE DIRECTION AND ACTIVATION SOURCE TYPE**
 [54] **CATHETER NON CHEVAUCHANT DE TYPE EN BOUCLE OU DE TYPE A CLAVETTE SERVANT A DETERMINER LA DIRECTION DE LA SOURCE D'ACTIVATION ET LE TYPE DE SOURCE D'ACTIVATION**
 [72] ZEIDAN, ZIYAD, IL
 [72] HAYAM, GAL, IL
 [71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
 [22] 2017-01-13
 [41] 2017-07-14
 [30] US (62/278,676) 2016-01-14
 [30] US (15/404,231) 2017-01-12

[21] **2,954,765**
 [13] A1
 [51] **Int.Cl. A61B 5/0402 (2006.01) A61B 5/042 (2006.01) A61B 5/044 (2006.01) A61B 5/0456 (2006.01) A61B 18/14 (2006.01)**
 [25] EN
 [54] **SYSTEM AND METHOD UTILIZING FRACTIONATION AND SLOPE**
 [54] **SYSTEME ET METHODE RECOURANT AU FRACTIONNEMENT ET A LA PENTE**
 [72] BAR-TAL, MEIR, IL
 [72] ZRIHAM, YANIV BEN, IL
 [72] HOUBEN, RICHARD P.M., BE
 [72] GOLDBERG, STANISLAV, IL
 [72] URMAN, ROY, IL
 [71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
 [22] 2017-01-13
 [41] 2017-07-14
 [30] US (62/278,676) 2016-01-14
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[21] 2,954,771
[13] A1

[51] **Int.Cl. A61B 5/0402 (2006.01) A61B 5/044 (2006.01) A61B 5/0452 (2006.01) A61B 5/046 (2006.01) A61B 18/12 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DETERMINING ATRIAL FIBRILLATION REGIONS FOR ABLATION**

[54] **SYSTEME ET METHODE DE DETECTION DES REGIONS DE FIBRILLATION ATRIALE EN VUE DE L'ABLATION**

[72] URMAN, ROY, IL

[72] ZEIDAN, ZIYAD, IL

[72] GOLDBERG, STANISLAV, IL

[72] HAYAM, GAL, IL

[72] BAR-TAL, MEIR, IL

[72] ZRIHAM, YANIV BEN, IL

[72] VERMA, ATUL, CA

[72] AMOS, YARIV AVRAHAM, IL

[72] HOUBEN, RICHARD P.M., BE

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2017-01-13

[41] 2017-07-14

[30] US (62/278,676) 2016-01-14

[30] US (15/404,226) 2017-01-12

[21] 2,954,777
[13] A1

[51] **Int.Cl. A61B 5/046 (2006.01) A61B 5/042 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DETECTING ATRIAL FIBRILLATION ROTATIONAL ACTIVITY PATTERN SOURCES**

[54] **SYSTEME ET METHODE DE DETECTION DE SOURCES DE MOTIF D'ACTIVITE ROTATIVE DE FIBRILLATION ATRIALE**

[72] URMAN, ROY, IL

[72] BAR-TAL, MEIR, IL

[72] ZRIHAM, YANIV BEN, IL

[72] VERMA, ATUL, CA

[72] AMOS, YARIV AVRAHAM, IL

[72] HAYAM, GAL, IL

[72] ZEIDAN, ZIYAD, IL

[72] GOLDBERG, STANISLOV, IL

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2017-01-13

[41] 2017-07-14

[30] US (15/404,225) 2017-01-12

[30] US (62/278,676) 2016-01-14

[21] 2,954,795
[13] A1

[51] **Int.Cl. A61B 5/0402 (2006.01) A61B 5/042 (2006.01) A61B 5/044 (2006.01) A61B 5/0456 (2006.01) A61B 5/046 (2006.01) A61B 18/14 (2006.01)**

[25] EN

[54] **IDENTIFYING FOCAL SOURCES DURING ATRIAL FIBRILLATION**

[54] **IDENTIFICATION DE SOURCES FOCALES PENDANT LA FIBRILLATION ATRIALE**

[72] URMAN, ROY, IL

[72] BAR-TAL, MEIR, IL

[72] ZRIHAM, YANIV BEN, IL

[72] ZEIDAN, ZIYAD, IL

[72] HAYAM, GAL, IL

[72] GOLDBERG, STANISLAV, IL

[72] VERMA, ATUL, CA

[72] AMOS, YARIV AVRAHAM, IL

[72] HOUBEN, RICHARD P.M., BE

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2017-01-13

[41] 2017-07-14

[30] US (62/278,676) 2016-01-14

[30] US (15/404,228) 2017-01-12

[21] 2,954,882
[13] A1

[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/20 (2006.01)**

[25] EN

[54] **AIR SEEDER HAVING INDIVIDUALLY CONTROLLABLE METERING WHEELS IN COMMON METER BODY**

[54] **SEMOIR PNEUMATIQUE COMPORTANT DES ROUES DE DOSAGE A CONTROLE INDIVIDUEL DANS UN CORPS DE DOSEUR COMMUN**

[72] SHEPPARD, CLINT W., CA

[72] GRODECKI, LAWRENCE, CA

[71] MORRIS INDUSTRIES LTD., CA

[22] 2017-01-13

[41] 2017-07-13

[30] US (62/278,317) 2016-01-13

[21] 2,954,915
[13] A1

[51] **Int.Cl. F03B 3/14 (2006.01) F03B 3/06 (2006.01) F03B 13/26 (2006.01)**

[25] EN

[54] **DEVICE FOR REVERSING A BLADE OF A RUNNER UNIT**

[54] **DISPOSITIF DESTINE A INVERSER UNE PALE D'UN CANAL**

[72] MATHIEU, ALAIN, US

[72] PEIN, ERWAN, US

[71] ALSTOM RENEWABLE TECHNOLOGIES, FR

[22] 2017-01-11

[41] 2017-07-12

[30] EP (16290007.0) 2016-01-12

[21] 2,954,919
[13] A1

[51] **Int.Cl. F25D 25/00 (2006.01) A47G 29/00 (2006.01) A47J 47/00 (2006.01) F25C 5/18 (2006.01)**

[25] EN

[54] **REFRIGERATOR ICE BIN**

[54] **BAC A GLACE DE REFRIGERATEUR**

[72] THIAYYULLATHIL, JEMSHIEER, US

[72] LUCIC, EDWARD THOMAS, III, US

[72] BROWN, KEVIN, US

[71] VIKING RANGE, LLC, US

[22] 2017-01-16

[41] 2017-07-14

[30] US (62/278,792) 2016-01-14

[30] US (15/405,671) 2017-01-13

[21] 2,954,923
[13] A1

[51] **Int.Cl. F25D 23/00 (2006.01) E05D 11/00 (2006.01)**

[25] EN

[54] **REFRIGERATOR HINGE BRACKET MECHANISM**

[54] **MECANISME DE SUPPORT DE CHARNIERE DE REFRIGERATEUR**

[72] THIAYYULLATHIL, JEMSHIEER, US

[72] HENSEL, DAVID, US

[72] CARBONE, PHILIP, US

[71] VIKING RANGE, LLC, US

[22] 2017-01-16

[41] 2017-07-14

[30] US (62/278,792) 2016-01-14

[30] US (15/405,682) 2017-01-13

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[21] 2,955,051
[13] A1

[51] **Int.Cl. F16G 11/14 (2006.01) F16G 11/00 (2006.01)**
 [25] EN
 [54] **SYNTHETIC ROPE TERMINATION**
 [54] **TERMINAISON DE CORDE SYNTHETIQUE**
 [72] VERBRUGGE, PETER, US
 [71] THE CROSBY GROUP LLC, US
 [22] 2017-01-13
 [41] 2017-07-14
 [30] US (62/278,796) 2016-01-14
 [30] US (15/397,911) 2017-01-04

[21] 2,955,140
[13] A1

[51] **Int.Cl. H04W 4/16 (2009.01) H04W 80/10 (2009.01)**
 [25] EN
 [54] **DEVICE AND METHOD FOR FORWARDING VOICE CALLS RECEIVED AT THE DEVICE TO A PAIRED COMPUTING DEVICE**
 [54] **DISPOSITIF ET METHODE DE TRANSFERT DES APPELS VOCAUX RECUS PAR L'APPAREIL VERS UN DISPOSITIF INFORMATIQUE JUMELE**
 [72] QU, KAI, CA
 [72] XU, JUN, CA
 [72] ZHU, LIZHONG, CA
 [72] ZHU, LIBO, CA
 [71] BLACKBERRY LIMITED, CA
 [22] 2017-01-12
 [41] 2017-07-15
 [30] US (14/996911) 2016-01-15

[21] 2,955,152
[13] A1

[51] **Int.Cl. H02J 15/00 (2006.01) H02J 1/10 (2006.01) H02J 7/00 (2006.01)**
 [25] EN
 [54] **ENERGY STORAGE BALANCING SYSTEM**
 [54] **DISPOSITIF D'EQUILIBRAGE DE STOCKAGE D'ENERGIE**
 [72] EMADI, ALI, CA
 [72] PREINDL, MATTHIAS, US
 [71] MCMASTER UNIVERSITY, CA
 [22] 2017-01-16
 [41] 2017-07-15
 [30] US (62/279,054) 2016-01-15

[21] 2,965,640
[13] A1

[51] **Int.Cl. H05H 7/04 (2006.01) H05H 13/00 (2006.01)**
 [25] EN
 [54] **PERIPHERAL HILL SECTOR DESIGN FOR CYCLOTRON**
 [54] **CONCEPTION DE SECTEUR DE MONT PERIPHERIQUE DESTINE A UN CYCLOTRON**
 [72] KLEEVEN WILLEM, BE
 [72] ABS, MICHEL, BE
 [71] ION BEAM APPLICATIONS S.A., BE
 [22] 2017-05-01
 [41] 2017-07-12
 [30] EP (16169490.6) 2016-05-13

[21] 2,965,642
[13] A1

[51] **Int.Cl. H05H 7/04 (2006.01) H05H 13/00 (2006.01)**
 [25] EN
 [54] **POLE INSERT FOR CYCLOTRON**
 [54] **PIECE DE POTEAU DESTINEE A UN CYCLOTRON**
 [72] ABS, MICHEL, BE
 [72] ZAREMBA, SZYMON, BE
 [71] ION BEAM APPLICATIONS S.A., BE
 [22] 2017-05-01
 [41] 2017-07-13
 [30] EP (16169489.8) 2016-05-13

[21] 2,965,643
[13] A1

[51] **Int.Cl. H05H 13/00 (2006.01) H05H 7/04 (2006.01)**
 [25] EN
 [54] **COMPACT CYCLOTRON**
 [54] **CYCLOTRON COMPACT**
 [72] ABS, MICHEL, BE
 [72] DE NEUTER, SEBASTIEN, BE
 [71] ION BEAM APPLICATIONS S.A., BE
 [22] 2017-05-01
 [41] 2017-07-13
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[21] 2,965,927
[13] A1

[51] **Int.Cl. B01D 53/26 (2006.01) B01D 53/14 (2006.01)**
 [25] EN
 [54] **DRYER EXHAUST HEAT RECOVERY**
 [54] **RECUPERATION DE CHALEUR D'EVACUATION DE SECHOIR**
 [72] KNIGHT, JAMES, JR., US
 [72] MITCHELL, OLAN WAYNE, US
 [71] MSW CONSULTING, INC., US
 [22] 2017-05-03
 [41] 2017-07-11
 [30] US (62/362785) 2016-07-15
 [30] US (15/496413) 2017-04-25

[21] 2,966,013
[13] A1

[51] **Int.Cl. E04B 1/74 (2006.01) E04D 13/16 (2006.01) E04F 21/06 (2006.01)**
 [25] EN
 [54] **SYSTEM FOR RETROFITTING AND ENHANCING THE THERMAL RESISTANCE OF ROOFS AND WALLS OF BUILDINGS**
 [54] **SYSTEME DE RENOVATION ET AMELIORATION DE LA RESISTANCE THERMIQUE DES TOITS ET DES MURS DE BATIMENTS**
 [72] HOSTETLER, WILLIAM, US
 [72] JOHNSON, TORI, US
 [72] ROBINSON, CLIFF, US
 [72] GRABMEIER, RICHARD, US
 [71] BLUESCOPE BUILDINGS NORTH AMERICA, INC., US
 [22] 2017-05-03
 [41] 2017-07-11
 [30] US (15/145,046) 2016-05-03

[21] 2,966,136
[13] A1

[51] **Int.Cl. E21B 33/129 (2006.01) E21B 33/12 (2006.01) E21B 43/26 (2006.01)**
 [25] EN
 [54] **FRACING PLUG**
 [54] **BOUCHON DE FRACTURATION A L'AZOTE**
 [72] RING, CURTIS, CA
 [72] GEORGE, GRANT, CA
 [72] MCCARTHY, MATTHEW, CA
 [72] SARGENT, SHANE, CA
 [71] STEELHAUS TECHNOLOGIES INC., CA
 [22] 2017-05-05
 [41] 2017-07-12
 [30] US (62/332,948) 2016-05-06

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[21] 2,966,899

[13] A1

[51] **Int.Cl. E21B 47/08 (2012.01) E21B
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[25] EN

[54] **METHODS AND APPARATUS FOR
ENHANCING FLUID**

PRODUCTION FROM A WELL

[54] **METHODES ET APPAREIL
DESTINES A AUGMENTER LA
PRODUCTION DE FLUIDE D'UN
PUITS**

[72] NADKRYNECHNY, RICK, CA

[71] T-RAM CANADA, INC., CA

[22] 2017-05-10

[41] 2017-07-14

[21] 2,966,953

[13] A1

[51] **Int.Cl. B63B 29/00 (2006.01) B63B
35/44 (2006.01) B63J 3/00 (2006.01)**

[25] EN

[54] **SHIP WITH MEANS FOR ON-
BOARD LODGING**

[54] **NAVIRE EQUIPE D'ESPACES DE
LOGEMENT EMBARQUES**

[72] JOEL, KEVIN, CA

[71] JOEL, KEVIN, CA

[22] 2017-05-10

[41] 2017-07-14

[21] 2,967,088

[13] A1

[51] **Int.Cl. F24F 9/00 (2006.01)**

[25] EN

[54] **AIR CURTAIN APPARATUS**

[54] **UN APPAREIL DE RIDEAU D'AIR**

[72] DUBE, SERGE, CA

[71] DUBE, SERGE, CA

[22] 2017-05-10

[41] 2017-07-14

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[13] A1
[51] **Int.Cl. B65D 75/52 (2006.01)**
[25] EN
[54] **TIGHT FASTENING TYPE SIZE-FREE CONTAINER CARRYING BAG**
[54] **SAC DE TRANSPORT DE CONTENANT A FERMETURE ETANCHE**
[72] MIYAMOTO, TAKEHISA, JP
[71] GARUTSU CO., LTD., JP
[85] 2016-10-17
[86] 2016-06-08 (PCT/JP2016/067142)
[87] (2945567)
[30] JP (2015-245508) 2015-12-16

[21] **2,952,029**
[13] A1
[51] **Int.Cl. C07H 15/203 (2006.01) A61P 25/00 (2006.01) C07C 233/05 (2006.01) C07D 307/20 (2006.01) C07D 309/10 (2006.01) C07D 311/08 (2006.01)**
[25] EN
[54] **BIPHENYL AMIDES WITH MODIFIED ETHER GROUPS AS HSP90 INHIBITORS AND HSP70 INDUCERS**
[54] **BIPHENYLAMIDES A GROUPES ETHER MODIFIES UTILISABLES COMME INHIBITEURS DE HSP90 ET COMME INDUCTEURS DE HSP70**
[72] BLAGG, BRIAN S.J., US
[72] DOBROWSKY, RICK T., US
[72] ANYIKA, MERCY, US
[71] THE UNIVERSITY OF KANSAS, US
[85] 2016-12-12
[86] 2015-06-24 (PCT/US2015/037478)
[87] (WO2015/200514)
[30] US (62/016,473) 2014-06-24

[21] **2,953,113**
[13] A1
[51] **Int.Cl. A23L 33/135 (2016.01) A61K 35/745 (2015.01) A61K 35/747 (2015.01) A23L 33/00 (2016.01) A23L 33/125 (2016.01) A23L 33/20 (2016.01) A23C 9/152 (2006.01) A61K 31/047 (2006.01) A23L 27/30 (2016.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **MYO-INOSITOL AND PROBIOTICS, AND THEIR USE**
[54] **MYO-INOSITOL ET PROBIOTIQUES, UTILISATION DE CEUX-CI**
[72] SILVA ZOLEZZI, IRMA, CH
[72] MACI, CATHERINE, CH
[72] BUDIN, FLORENCE, CH
[72] GODFREY, KEITH MALCOLM, GB
[72] BAKER, PHILIP NEWTON, NZ
[72] CHONG, YAP SENG, SG
[71] NESTEC S.A., CH
[85] 2016-12-20
[86] 2015-08-06 (PCT/EP2015/068192)
[87] (WO2016/020491)
[30] EP (14180403.9) 2014-08-08
[30] EP (15170915.1) 2015-06-05

[21] **2,955,351**
[13] A1
[51] **Int.Cl. B23K 35/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LOW-MANGANESE WELDING ALLOYS**
[54] **SYSTEMES ET PROCEDES POUR DES ALLIAGES DE SOUDAGE A FAIBLE TENEUR EN MANGANESE**
[72] BARHORST, STEVEN EDWARD, US
[72] KRIEGER, KEVIN M., US
[72] BUNDY, JOSEPH C., US
[72] AMATA, MARIO ANTHONY, US
[72] DUNCAN, DARYL L., US
[72] FIORE, SUSAN RENATA, US
[71] HOBART BROTHERS COMPANY, US
[85] 2017-01-16
[86] 2015-07-07 (PCT/US2015/039451)
[87] (WO2016/025101)
[30] US (14/457,599) 2014-08-12

[21] **2,956,859**
[13] A1
[51] **Int.Cl. E06B 3/46 (2006.01) A47K 3/30 (2006.01) F16B 1/00 (2006.01)**
[25] EN
[54] **SHOWER DOOR ADJUSTING DEVICE AND SHOWER DOOR**
[54] **DISPOSITIF D'AJUSTEMENT DE PORTE DE DOUCHE ET PORTE DE DOUCHE**
[72] WEI, WUXIANG, CN
[71] IDEAL SANITARY WARE CO., LTD., CN
[85] 2017-02-01
[86] 2016-01-11 (PCT/CN2016/070549)
[87] (2956859)

[21] **2,957,612**
[13] A1
[51] **Int.Cl. H02M 7/483 (2007.01)**
[25] EN
[54] **A SWITCHING CELL, A SWITCHING MODULE FOR A CHAIN LINK, AND A CHAIN LINK FOR A MULTILEVEL CONVERTER**
[54] **CELLULE DE COMMUTATION, MODULE DE COMMUTATION POUR MAILLON DE CHAINE, ET MAILLON DE CHAINE POUR CONVERTISSEUR MULTINIVEAU**
[72] NAMI, ALIREZA, SE
[72] TOWNSEND, CHRISTOPHER, SE
[71] ABB SCHWEIZ AG, CH
[85] 2017-02-08
[86] 2014-08-08 (PCT/EP2014/067100)
[87] (WO2016/020016)

[21] **2,958,780**
[13] A1

[51] **Int.Cl. C12N 15/861 (2006.01) A61K 35/761 (2015.01) A61K 48/00 (2006.01) A61P 27/16 (2006.01) C07K 14/47 (2006.01) C12N 1/12 (2006.01)**

[25] EN

[54] **ADENOVIRAL VECTOR ENCODING HUMAN ATONAL HOMOLOG-1 (HATH1)**

[54] **VECTEUR ADENOVIRAL CODANT POUR L'HOMOLOGUE ATONAL 1 HUMAIN (HATH1)**

[72] BROUGH, DOUGLAS E., US

[72] ETTYREDDY, DAMODAR R., US

[71] GENVEC, INC., US

[85] 2017-02-20

[86] 2015-10-09 (PCT/US2015/054836)

[87] (WO2016/057868)

[30] US (62/061,748) 2014-10-09

[21] **2,959,472**
[13] A1

[51] **Int.Cl. C12N 1/20 (2006.01) A01N 63/00 (2006.01) A01N 63/02 (2006.01) A01P 21/00 (2006.01) C05F 11/08 (2006.01) C12P 1/04 (2006.01) C12N 3/00 (2006.01)**

[25] EN

[54] **PROCESS FOR INCREASING BIOMASS AND SPORES PRODUCTION OF PLANT GROWTH PROMOTING BACTERIA OF THE BACILLUS GENUS**

[54] **PROCEDE DESTINE A ACCROITRE LA PRODUCTION DE BIOMASSE ET DE SPORES PAR ACCROISSEMENT DE LA PRODUCTION DE BACTERIES DU GENRE BACILLUS FAVORISANT LA CROISSANCE VEGETALE**

[72] VILLEGAS ESCOBAR, VALESKA, CO

[72] MOSQUERA LOPEZ, SANDRA, CO

[72] POSADA URIBE, LUISA FERNANDA, CO

[72] RAMIREZ CORREA, EDUCRECIA MARIA, CO

[72] CUELLAR GAVIRIA, TATIANA ZAZINI, CO

[72] MIRA CASTILLO, JOHN JAIRO, CO

[72] ARGEL ROLDAN, LUZ EDITH, CO

[71] ASOCIACION DE BANANEROS DE COLOMBIA (AUGURA), CO

[71] UNIVERSIDAD EAFIT, CO

[85] 2017-02-27

[86] 2015-08-13 (PCT/IB2015/056181)

[87] (WO2016/055879)

[30] US (14/471,345) 2014-08-28

[21] **2,959,977**
[13] A1

[51] **Int.Cl. C07H 19/10 (2006.01) C07H 19/06 (2006.01)**

[25] EN

[54] **METHODS OF SEPARATING GEMCITABINE-PHOSPHATE DIASTEREOISOMERS**

[54] **PROCEDES DE SEPARATION DE DIASTEREOISOMERES DE GEMCITABINE-PHOSPHATE**

[72] GRIFFITH, HUGH, GB

[71] NUCANA BIOMED LIMITED, GB

[85] 2017-03-02

[86] 2015-09-29 (PCT/GB2015/052839)

[87] (WO2016/055769)

[30] GB (1417644.0) 2014-10-06

[21] **2,960,731**
[13] A1

[51] **Int.Cl. E21B 34/14 (2006.01) E21B 33/14 (2006.01)**

[25] EN

[54] **STAGE TOOL**

[54] **OUTIL ETAGE**

[72] WIND, STEPHANIE DIANNE, US

[72] WILKIN, JAMES FREDERICK, CA

[72] FARLEY, DOUGLAS BRIAN, US

[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[85] 2017-03-08

[86] 2015-10-06 (PCT/US2015/054217)

[87] (WO2016/057496)

[30] US (62/061,522) 2014-10-08

[21] **2,962,721**
[13] A1

[51] **Int.Cl. C01B 32/182 (2017.01) H01M 4/13 (2010.01) H01M 4/139 (2010.01) H01M 4/62 (2006.01)**

[25] EN

[54] **GRAPHENE POWDER, ELECTRODE PASTE FOR LITHIUM ION BATTERY AND ELECTRODE FOR LITHIUM ION BATTERY**

[54] **POUDRE DE GRAPHENE, PATE POUR ELECTRODE POUR BATTERIE AU LITHIUM-ION ET ELECTRODE POUR BATTERIE AU LITHIUM-ION**

[72] YANG, HANXIAO, JP

[72] TAMAKI, EIICHIRO, JP

[72] KUBOTA, YASUO, JP

[71] TORAY INDUSTRIES, INC., JP

[85] 2017-03-27

[86] 2015-10-06 (PCT/JP2015/078362)

[87] (WO2016/056557)

[30] JP (2014-208590) 2014-10-10

[21] **2,962,722**
[13] A1

[51] **Int.Cl. H01M 8/0234 (2016.01) C01B 32/00 (2017.01) B01J 23/42 (2006.01) B32B 33/00 (2006.01)**

[25] EN

[54] **CARBON SHEET, GAS DIFFUSION ELECTRODE SUBSTRATE AND FUEL CELL**

[54] **FEUILLE DE CARBONE, MATERIAU DE BASE D'ELECTRODE A DIFFUSION GAZEUSE ET PILE A COMBUSTIBLE**

[72] UTSUNOMIYA, MASAMICHI, JP

[72] HASHIMOTO, MASARU, JP

[72] SODE, KATSUYA, JP

[72] KAMAE, TOSHIYA, JP

[71] TORAY INDUSTRIES, INC., JP

[85] 2017-03-27

[86] 2015-10-07 (PCT/JP2015/078494)

[87] (WO2016/060045)

[30] JP (2014-212422) 2014-10-17

[21] **2,962,778**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) C12Q 1/02 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **ENGINEERED RENAL TISSUES, ARRAYS THEREOF, AND METHODS OF MAKING THE SAME**

[54] **TISSUS RENAUX PRODUITS PAR GENIE GENETIQUE, RESEAUX CORRESPONDANTS, ET PROCEDES DE PRODUCTION**

[72] NGUYEN, DEBORAH LYNN GREENE, US

[72] KING, SHELBY MARIE, US

[72] PRESNELL, SHARON C., US

[71] ORGANOVO, INC., US

[85] 2017-03-27

[86] 2015-10-06 (PCT/US2015/054315)

[87] (WO2016/057571)

[30] US (62/060,416) 2014-10-06

[30] US (62/140,285) 2015-03-30

[21] **2,962,872**
[13] A1

[51] **Int.Cl. A23J 3/14 (2006.01) A23L 5/00 (2016.01) A23L 13/00 (2016.01) A23L 19/00 (2016.01) A23P 30/00 (2016.01) A23J 3/22 (2006.01)**

[25] EN

[54] **NON-MEAT FOOD PRODUCTS HAVING APPEARANCE AND TEXTURE OF COOKED MEAT**

[54] **PRODUITS ALIMENTAIRES NON CARNES AYANT L'ASPECT ET LA TEXTURE DE LA VIANDE CUITE**

[72] CULLY, KEVIN J., US
[72] BERENDS, PIETER, DE
[72] TROTTEL, GREGORY W., CH
[71] NESTEC S.A., CH
[85] 2017-03-28
[86] 2015-10-06 (PCT/IB2015/057644)
[87] (WO2016/055940)
[30] US (62/062,275) 2014-10-10

[21] **2,962,903**
[13] A1

[51] **Int.Cl. C12N 9/54 (2006.01) C12N 9/00 (2006.01) C12N 15/52 (2006.01) C12N 15/57 (2006.01) C12P 21/02 (2006.01) C07K 14/32 (2006.01)**

[25] EN

[54] **PEPTIDE FRAGMENT CONDENSATION AND CYCLISATION USING A SUBTILISIN VARIANT WITH IMPROVED SYNTHESIS OVER HYDROLYSIS RATIO**

[54] **CONDENSATION ET CYCLISATION DE FRAGMENTS PEPTIDIQUES A L'AIDE D'UN VARIANT DE SUBTILISINE PRESENTANT UN MEILLEUR RAPPORT SYNTHÈSE/HYDROLYSE RAPPORT D'HYDROLYSE**

[72] QUAEDFLIEG, PETER JAN
LEONARD MARIO, NL
[72] NUIJENS, TIMO, NL
[72] VAN DER LAAN, JAN METSKE, NL
[72] JANSSEN, DIRK BAREND, NL
[72] TOPLAK, ANA, NL
[72] WU, BIAN, NL
[71] ENZYMEP B.V., NL
[85] 2017-03-27
[86] 2015-10-09 (PCT/NL2015/050711)
[87] (WO2016/056913)
[30] NL (PCT/NL2014/050707) 2014-10-10
[30] NL (PCT/NL2015/050441) 2015-06-16

[21] **2,963,267**
[13] A1

[51] **Int.Cl. A01H 1/04 (2006.01) A01H 5/00 (2006.01) C12Q 1/68 (2006.01) G01N 33/00 (2006.01) G01N 33/53 (2006.01) C07K 14/415 (2006.01) C12N 15/82 (2006.01) C12N 15/87 (2006.01)**

[25] EN

[54] **GENETIC LOCI ASSOCIATED WITH CULTURE AND TRANSFORMATION IN MAIZE**

[54] **LOCI GENETIQUES ASSOCIES A LA CULTURE ET A LA TRANSFORMATION DU MAIS**

[72] CORAM, TRISTAN E., US
[72] JAYNE, SUSAN M., US
[72] ALABED, DIAA, US
[72] FOULK, STEPHEN, US
[72] AGGARWAL, RAJAT, US
[72] DANIELS, NATAE, US
[71] DOW AGROSCIENCES LLC, US
[85] 2017-03-30
[86] 2015-10-09 (PCT/US2015/054858)
[87] (WO2016/064597)
[30] US (62/062,520) 2014-10-10

[21] **2,963,315**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/074 (2010.01) C12N 5/02 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR GENERATING OR MAINTAINING PLURIPOTENT CELLS**

[54] **METHODS ET COMPOSITIONS DE PRODUCTION OU DE CONSERVATION DE CELLULES PLURIPOTENTES**

[72] KUNO, JUNKO, US
[72] AUERBACH, WOJTEK, US
[72] VALENZUELA, DAVID M., US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-03-30
[86] 2015-10-15 (PCT/US2015/055776)
[87] (WO2016/061374)
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[21] **2,963,401**
[13] A1

[51] **Int.Cl. C09K 17/00 (2006.01) C05F 11/00 (2006.01)**

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[54] **MATERIALS SUITABLE AS SUBSTITUTES FOR PEAT MOSSES AND PROCESSES AND APPARATUS THEREFOR**

[54] **MATERIAUX APPROPRIES EN TANT QUE SUBSTITUTS POUR LES TOURBES-MOUSSES ET PROCEDES ET APPAREIL A CET EFFET**

[72] HANDLEY, MONT ANDREW, US
[72] KNAPP, MATT COLLINS, US
[72] GOLDMAN, MARK DAVID, US
[71] PITTMOSS LLC, US
[85] 2017-03-31
[86] 2015-09-24 (PCT/US2015/051869)
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[30] US (62/060,911) 2014-10-07
[30] US (14/856,663) 2015-09-17

[21] **2,963,454**
[13] A1

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[25] EN

[54] **DEVICE FOR WOUND DRESSING**

[54] **"DISPOSITIF POUR PANSEMENT"**

[72] LORENZONI, STEFANO, IT
[71] LEONARDINO S.R.L., IT
[85] 2017-04-03
[86] 2015-10-16 (PCT/IB2015/057965)
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[21] 2,963,558
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[54] INSECTICIDAL PROTEINS AND METHODS FOR THEIR USE

[54] PROTEINES INSECTICIDES ET LEURS PROCÉDES D'UTILISATION

[72] BARRY, JENNIFER K., US

[72] CLARK, DEBORAH W., US

[72] ENGLISH, JAMES J., US

[72] ONG, AZALEA, US

[72] SCHEPERS, ERIC J., US

[72] QI, JULIE, US

[72] RICE, JANET A., US

[71] PIONEER HI-BRED INTERNATIONAL, INC., US

[71] E. I. DU PONT DE NEMOURS AND COMPANY, US

[85] 2017-04-03

[86] 2015-10-14 (PCT/US2015/055502)

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[30] US (62/064,810) 2014-10-16

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[25] EN

[54] IN VIVO MODEL OF HUMAN SMALL INTESTINE USING PLURIPOTENT STEM CELLS AND METHODS OF MAKING AND USING SAME

[54] MODELE IN VIVO D'INTESTIN GRELE HUMAIN FAISANT INTERVENIR DES CELLULES SOUCHES PLURIPOTENTES ET SES PROCÉDES DE FABRICATION ET D'UTILISATION

[72] WELLS, JAMES M., US

[72] HELMRAITH, MICHAEL A., US

[72] MAHE, MAXIME MICKAEL, US

[72] WATSON, CAREY L., US

[72] MUNERA, JORGE, US

[72] WORKMAN, MICHAEL J., US

[71] CHILDREN'S HOSPITAL MEDICAL CENTER, US

[85] 2017-04-04

[86] 2015-10-16 (PCT/US2015/055956)

[87] (WO2016/061464)

[30] US (62/065,131) 2014-10-17

[21] 2,963,744
[13] A1

[51] Int.Cl. C07K 16/28 (2006.01) C12N 15/115 (2010.01)

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[54] THERAPEUTIC AGENTS AND USE THEREOF

[54] AGENTS THERAPEUTIQUES ET LEUR UTILISATION

[72] CONLAN, ROBERT, GB

[72] GONZALEZ, DEYARINA, GB

[71] SWANSEA UNIVERSITY, GB

[85] 2017-04-05

[86] 2015-10-21 (PCT/GB2015/053156)

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[21] 2,963,893
[13] A1

[51] Int.Cl. A61C 7/30 (2006.01) A61C 7/14 (2006.01)

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[54] ORTHODONTIC APPLIANCE WITH ELASTOMERIC CHAIN

[54] APPAREIL ORTHODONTIQUE DOTÉ D'UNE CHAÎNE ELASTOMÈRE

[72] HAGELGANZ, ROLF, US

[72] BATHEN, JUERGEN, US

[72] KABBANI, ROBERT, DE

[71] WORLD CLASS TECHNOLOGY CORPORATION, US

[85] 2017-04-07

[86] 2016-07-29 (PCT/US2016/044802)

[87] (2963893)

[30] US (15/076280) 2016-03-21

[21] 2,963,934
[13] A1

[51] Int.Cl. C12N 15/85 (2006.01) C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/074 (2010.01) C07K 14/47 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01)

[25] EN

[54] METHOD TO REDUCE ONCOGENIC POTENTIAL OF INDUCED PLURIPOTENT STEM CELLS FROM AGED DONORS

[54] METHODE POUR REDUIRE LE POTENTIEL ONCOGENE DES CELLULES SOUCHES PLURIPOTENTES INDUITES PROVENANT DE DONNEURS AGES

[72] KIM, KITAI, US

[72] SKAMAGKI, MARIA, US

[72] DOGAN, YILDIRIM, US

[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US

[85] 2017-04-06

[86] 2015-10-06 (PCT/US2015/054319)

[87] (WO2016/057574)

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[30] US (62/121,463) 2015-02-26

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[21] 2,964,050
[13] A1

[51] Int.Cl. C02F 1/50 (2006.01) A01N 57/34 (2006.01) A01N 59/00 (2006.01) A01P 1/00 (2006.01) C02F 1/76 (2006.01)

[25] EN

[54] IMPROVEMENTS IN AND RELATING TO WATER TREATMENT, IN PARTICULAR TO INHIBIT GROWTH OF MICRO-ORGANISMS

[54] AMELIORATIONS DU ET RELATIVES AU TRAITEMENT DE L'EAU, EN PARTICULIER POUR INHIBER LA CROISSANCE DE MICRO-ORGANISMES

[72] KRAMER, JEFFREY FRANK, US

[71] BWA WATER ADDITIVES UK LIMITED, GB

[85] 2017-04-07

[86] 2015-10-13 (PCT/GB2015/053013)

[87] (WO2016/059394)

[30] US (14/513,768) 2014-10-14

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[25] EN

[54] **HYBRID PROTEIN MOLECULE CAPABLE OF INHIBITING AT LEAST ONE ANTIBIOTIC AND PHARMACEUTICAL COMPOSITION CONTAINING IT**

[54] **MOLECULE PROTEIQUE HYBRIDE APTE A INHIBER AU MOINS UN ANTIBIOTIQUE ET COMPOSITION PHARMACEUTIQUE LA COMPORTANT**

[72] DUPRET, DANIEL, FR
[72] SCHUE, MATTHIEU, FR
[72] JAIS, PHILIPPE, FR
[71] AZURRX SAS, FR
[85] 2017-04-10
[86] 2015-10-13 (PCT/FR2015/052756)
[87] (WO2016/059341)
[30] FR (1459935) 2014-10-16

[21] 2,964,186
[13] A1

[51] Int.Cl. G06F 19/00 (2011.01) A61B 8/00 (2006.01)

[25] EN

[54] **METHOD AND SYSTEM FOR ADJUSTING IMAGE GAIN**

[54] **PROCEDE ET SYSTEME D'AJUSTEMENT DE GAIN D'IMAGE**

[72] LOUPAS, THANASIS, GR
[72] BRUCE, MATTHEW FREDERIC, FR
[72] SKYBA, DANNY, US
[71] SUPER SONIC IMAGINE, FR
[85] 2017-04-10
[86] 2014-10-28 (PCT/IB2014/002601)
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[21] 2,964,313
[13] A1

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[25] EN

[54] **PROMOTER AND REGULATORY ELEMENTS FOR IMPROVED EXPRESSION OF HETEROLOGOUS GENES IN HOST CELLS**

[54] **ELEMENTS PROMOTEURS ET REGULATEURS POUR L'EXPRESSION AMELIOREE DE GENES HETEROLOGUES DANS DES CELLULES HOTES**

[72] DARIS, MARK, US
[72] STEVENS, JENNITTE LEANN, US
[72] LI, CHI-MING KEVIN, US
[72] GE, JIUYANYING, US
[71] AMGEN INC., US
[85] 2017-04-10
[86] 2015-10-14 (PCT/US2015/055549)
[87] (WO2016/061240)
[30] US (62/064,335) 2014-10-15

[21] 2,964,349
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[54] **SYSTEMS AND METHODS FOR SMART TOOLS IN SEQUENCE PIPELINES**

[54] **SYSTEMES ET PROCEDES POUR OUTILS INTELLIGENTS DANS DES PIPELINES DE TRAITEMENT DE SEQUENCES**

[72] TJANIC, NEBOJSA, US
[72] STOJANOVIC, LUKA, US
[72] COHADAREVIC, DAMIR, US
[72] IVKOVIC, SINISA, US
[71] SEVEN BRIDGES GENOMICS INC., US
[85] 2017-04-11
[86] 2015-10-07 (PCT/US2015/054461)
[87] (WO2016/060910)
[30] US (62/063,545) 2014-10-14

[21] 2,964,470
[13] A1

[51] Int.Cl. A61K 39/395 (2006.01) A61P 27/02 (2006.01) C07K 16/22 (2006.01)

[25] EN

[54] **ANTIBODIES DIRECTED TO ANGIOPOIETIN-1 AND ANGIOPOIETIN-2 FOR OCULAR THERAPIES**

[54] **ANTICORPS DIRIGES CONTRE L'ANGIOPOIETINE 1 ET L'ANGIOPOIETINE 2 POUR THERAPIES OCULAIRES**

[72] LU, SHU-CHEN, US
[72] VENIANT-ELLISON, MURIELLE, US
[72] XU, JING, US
[72] SALIMI-MOOSA VI, HOSSEIN, US
[72] OLINER, JONATHAN DANIEL, US
[71] AMGEN INC., US
[85] 2017-04-12
[86] 2015-10-16 (PCT/US2015/056091)
[87] (WO2016/061551)
[30] US (62/065,260) 2014-10-17

[21] 2,964,576
[13] A1

[51] Int.Cl. C01B 3/34 (2006.01) B01J 8/06 (2006.01)

[25] EN

[54] **REFORMING FURNACE COMPRISING REFORMING TUBES WITH FINS**

[54] **FOUR DE REFORMAGE COMPRENANT DES TUBES DE REFORMAGE A AISETTES**

[72] AMMOURI, FOUAD, FR
[72] GARY, DANIEL, FR
[72] TUDORACHE, DIANA, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2017-04-18
[86] 2015-09-18 (PCT/FR2015/052503)
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[30] FR (1460107) 2014-10-21

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[21] **2,964,621**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2006.01) C07H 21/04 (2006.01)**
[25] EN
[54] **HIGH THROUGHPUT SEQUENCING**
[54] **SEQUENCAGE A CADENCE ELEVEE**
[72] BAIRD, DUNCAN, GB
[72] NORRIS, KEVIN, GB
[71] UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED, GB
[85] 2017-04-12
[86] 2015-10-14 (PCT/GB2015/053023)
[87] (WO2016/059398)
[30] GB (1418144.0) 2014-10-14

[21] **2,964,669**
[13] A1
[51] **Int.Cl. A47B 46/00 (2006.01) A47B 53/00 (2006.01) A47B 81/00 (2006.01) A47B 96/06 (2006.01) H05K 7/02 (2006.01)**
[25] EN
[54] **SUPPORT DEVICE AND SUPPORT METHOD**
[54] **DISPOSITIF DE SUPPORT ET PROCEDE DE SUPPORT**
[72] TERAQ, CHIAKI, JP
[71] NEC PLATFORMS, LTD., JP
[85] 2017-04-19
[86] 2016-11-09 (PCT/JP2016/004849)
[87] (2964669)
[30] JP (2016-032038) 2016-02-23

[21] **2,964,759**
[13] A1
[51] **Int.Cl. A23L 19/00 (2016.01) A23L 27/00 (2016.01) A23B 7/14 (2006.01) A23B 7/154 (2006.01)**
[25] EN
[54] **PRESERVED CUT FRESH PRODUCE WITH TRUE-TO-NATURE FLAVOR**
[54] **PRODUITS FRAIS COUPES EN CONSERVE PRESENTANT UN GOUT AUTHENTIQUE**
[72] SANTOS, STEPHEN A., US
[72] SOBEL, ROBERT M., US
[71] FONA INTERNATIONAL INC., US
[71] NATURESEAL, INC., US
[85] 2017-04-13
[86] 2015-10-12 (PCT/US2015/055064)
[87] (WO2016/064608)
[30] US (62/068,385) 2014-10-24
[30] US (14/857,494) 2015-09-17

[21] **2,964,780**
[13] A1
[51] **Int.Cl. G06F 19/24 (2011.01) G06F 19/10 (2011.01) G06F 19/18 (2011.01) C12Q 1/68 (2006.01)**
[25] EN
[54] **REDUCING ERROR IN PREDICTED GENETIC RELATIONSHIPS**
[54] **REDUCTION D'ERREUR DANS DES RELATIONS GENETIQUES PREDITES**
[72] BARBER, MATHEW J., US
[72] WANG, YONG, US
[72] NOTO, KEITH D., US
[72] CHAHINE, KENNETH G., US
[72] BALL, CATHERINE ANN, US
[71] ANCESTRY.COM DNA, LLC, US
[85] 2017-04-13
[86] 2015-10-14 (PCT/US2015/055579)
[87] (WO2016/061260)
[30] US (62/063,849) 2014-10-14

[21] **2,964,846**
[13] A1
[51] **Int.Cl. A23C 9/12 (2006.01) A23P 30/00 (2016.01) A23C 9/00 (2006.01) A23C 9/123 (2006.01)**
[25] EN
[54] **CAVITATED FERMENTED DAIRY PRODUCT**
[54] **PRODUIT LAITIER FERMENTE SOUMIS A CAVITATION**
[72] MIMOUNI, ARNAUD, FR
[72] ROMERO, JAVIER, FR
[72] DEMONTE, PHILIPPE, FR
[71] YOPLAIT FRANCE, FR
[85] 2017-04-18
[86] 2014-10-21 (PCT/IB2014/002580)
[87] (WO2016/063101)

[21] **2,964,897**
[13] A1
[51] **Int.Cl. A61F 9/008 (2006.01) A61F 9/007 (2006.01)**
[25] EN
[54] **LASER EYE SURGERY LENS FRAGMENTATION**
[54] **FRAGMENTATION DU CRISTALLIN DANS LA CHIRURGIE LASER DE L'ŒIL**
[72] SRINIVASAN, RAJESHWARI, US
[72] GONZALEZ, JAVIER G., US
[72] KRAMME, ERIK C., US
[71] OPTIMEDICA CORPORATION, US
[85] 2017-04-18
[86] 2015-10-16 (PCT/US2015/056029)
[87] (WO2016/061511)
[30] US (62/065,469) 2014-10-17

[21] **2,964,902**
[13] A1
[51] **Int.Cl. G06F 19/24 (2011.01) G06F 19/10 (2011.01) G06F 19/18 (2011.01) C12Q 1/68 (2006.01)**
[25] EN
[54] **ANCESTRAL HUMAN GENOMES**
[54] **GENOMES HUMAINS ANCESTRAUX**
[72] GRANKA, JULIE M., US
[72] NOTO, KEITH D., US
[71] ANCESTRY.COM DNA, LLC, US
[85] 2017-04-18
[86] 2015-10-19 (PCT/US2015/056187)
[87] (WO2016/061570)
[30] US (62/065,557) 2014-10-17
[30] US (62/065,726) 2014-10-19

[21] **2,964,905**
[13] A1
[51] **Int.Cl. G06F 19/24 (2011.01) G06F 19/10 (2011.01) G06F 19/18 (2011.01) G06F 19/22 (2011.01) C12Q 1/68 (2006.01)**
[25] EN
[54] **HAPLOTYPE PHASING MODELS**
[54] **MODELES DE MISE EN PHASE D'HAPLOTYPES**
[72] BALL, CATHERINE ANN, US
[72] NOTO, KEITH D., US
[72] CHAHINE, KENNETH G., US
[72] BARBER, MATHEW J., US
[72] WANG, YONG, US
[71] ANCESTRY.COM DNA, LLC, US
[85] 2017-04-18
[86] 2015-10-19 (PCT/US2015/056164)
[87] (WO2016/061568)
[30] US (62/065,557) 2014-10-17
[30] US (62/065,726) 2014-10-19

Demandes PCT entrant en phase nationale

[21] **2,965,004**

[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01) A61F 9/007 (2006.01)**

[25] EN

[54] **CORNEAL TOPOGRAPHY MEASUREMENTS AND FIDUCIAL MARK INCISIONS IN LASER SURGICAL PROCEDURES**

[54] **MESURES TOPOGRAPHIQUES CORNEENNES ET REPERES D'ALIGNEMENT D'INCISIONS DANS DES PROCEDURES DE CHIRURGIE AU LASER**

[72] SRINIVASAN, RAJESHWARI, US

[72] GOLDA, JEFFREY A., US

[72] GONZALEZ, JAVIER G., US

[72] SCOTT, DAVID D., US

[72] DEWEY, DAVID A., US

[72] BAREKET, NOAH, US

[72] SCHUELE, GEORG, US

[71] OPTIMEDICA CORPORATION, US

[85] 2017-04-18

[86] 2015-10-16 (PCT/US2015/055936)

[87] (WO2016/061454)

[30] US (62/065,499) 2014-10-17

[21] **2,965,163**

[13] A1

[51] **Int.Cl. G06F 19/18 (2011.01) G06F 19/10 (2011.01) G06F 19/14 (2011.01) C12Q 1/68 (2006.01)**

[25] EN

[54] **METHOD TO IDENTIFY GENES UNDER POSITIVE SELECTION**

[54] **PROCEDE POUR IDENTIFIER DES GENES SOUS SELECTION POSITIVE**

[72] LICHTARGE, OLIVIER, US

[72] HSU, TENG-KUEI, US

[72] KATSONIS, PANAGIOTIS, US

[72] KOIRE, AMANDA MICHELE, US

[71] BAYLOR COLLEGE OF MEDICINE, US

[85] 2017-04-19

[86] 2015-10-21 (PCT/US2015/056646)

[87] (WO2016/064995)

[30] US (62/067,294) 2014-10-22

[21] **2,965,386**

[13] A1

[51] **Int.Cl. A23K 50/10 (2016.01) A23K 10/16 (2016.01) A23K 10/30 (2016.01) A23K 20/10 (2016.01) A23K 20/158 (2016.01)**

[25] EN

[54] **FEEDING ALGAE TO CATTLE AT LOW DOSES TO PRODUCE HIGH OMEGA 3 LEVELS IN BEEF**

[54] **ALIMENTATION DU BETAIL AVEC DES ALGUES A FAIBLES DOSES POUR PRODUIRE DES TAUX ELEVES EN OMEGA 3 DANS LE BOUF**

[72] SMITH, DONALD M., US

[71] SMITH, DONALD M., US

[85] 2017-04-20

[86] 2015-10-21 (PCT/US2015/056695)

[87] (WO2016/065024)

[30] US (62/066,778) 2014-10-21

[21] **2,965,495**

[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/79 (2006.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01)**

[25] EN

[54] **NOVEL CHO INTEGRATION SITES AND USES THEREOF**

[54] **NOUVEAUX SITES D'INTEGRATION CHO ET LEURS UTILISATIONS**

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[72] BURAKOV, DARYA, US

[72] CHIEN, GANG, US

[72] FANDL, JAMES P., US

[71] REGENERON PHARMACEUTICALS, INC., US

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[54] **TRANSMISSION DEVICE WITH MODE DIVISION MULTIPLEXING AND METHODS FOR USE THEREWITH**

[54] **DISPOSITIF DE TRANSMISSION PAR MULTIPLEXAGE MODAL ET PROCEDES D'UTILISATION ASSOCIES**

[72] HENRY, PAUL SHALA, US

[72] BENNETT, ROBERT, US

[72] GERSZBERG, IRWIN, US

[72] BARZEGAR, FARHAD, US

[72] BARNICKEL, DONALD J., US

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[54] **BALAI JUMELE AVEC PLAQUETTE D'APPUI**

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[72] LOCHET, LAURENT, FR

[71] MERSEN FRANCE AMIENS SAS, FR

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[54] **PREDICTING HYDRAULIC FRACTURE TREATMENT EFFECTIVENESS AND PRODUCTIVITY IN OIL AND GAS RESERVOIRS**
[54] **PREDICTION D'EFFICACITE DE TRAITEMENT DE FRACTURE HYDRAULIQUE ET DE PRODUCTIVITE DANS DES RESERVOIRS DE PETROLE ET DE GAZ**
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[54] **PIGMENT IDENTIFICATION OF COMPLEX COATING MIXTURES WITH SPARKLE COLOR**
[54] **IDENTIFICATION DE PIGMENTS DE MELANGES DE REVETEMENT COMPLEXES AYANT UNE COULEUR DE SCINTILLEMENT**
[72] BEYMORE, PAUL MICHAEL, US
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[71] PPG INDUSTRIES OHIO, INC., US
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[54] **ARRAY LEVEL FOURIER PTYCHOGRAPHIC IMAGING**
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[72] KIM, JINHO, US
[72] YANG, CHANGHUEI, US
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
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[54] **BIO-ACOUSTIC SENSING DEVICE AND METHOD FOR MARINE SEISMIC SURVEY**
[54] **DISPOSITIF ET PROCEDE DE DETECTION BIO-ACOUSTIQUE POUR LEVE SISMIQUE MARIN**
[72] SALLAS, JOHN JAMES, FR
[72] VALLEE, SIMON, FR
[71] SERCEL, FR
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[54] **CHEMICAL ELEMENT ANALYSIS DEVICE AND METHOD FOR CONTAMINANTS IN LIQUID**
[54] **DISPOSITIF D'ANALYSE D'ELEMENTS CHIMIQUES ET PROCEDE DE DETECTION DE CONTAMINANTS DANS UN LIQUIDE**
[72] PARK, KI HONG, KR
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[54] **DISPOSITIF DE TRANSFERT DE FLUIDE, SYSTEME ET PROCEDE**
[72] MULDON, JOSEPH, US
[72] REINBIGLER, RENE, US
[71] EMD MILLIPORE CORPORATION, US
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[54] **METHOD OF USING AN ELECTROCHEMICAL DEVICE**
[54] **PROCEDE D'UTILISATION D'UN DISPOSITIF ELECTROCHIMIQUE**
[72] CARDOSI, MARCO, GB
[72] BLYTHIE, STEPHEN, GB
[71] INSIDE BIOMETRICS LIMITED, GB
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[72] LACAILLE, JEROME HENRI NOEL, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
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[54] **PROJECTILE SOLIDE SANS STRUCTURE DE STABILISATION POUR LES TESTS D'IMPACTS D'OISEAUX CONSTITUE D'UN GEL COMPORTANT DU GLYCEROL**
[72] BRESSAN, CHRISTIAN, FR
[72] ETCHETO, HENRI, FR
[72] DENAUX, DAVID, FR
[72] VIDAL, GEORGES, FR
[72] DIULIUS, GERARD, FR
[72] SARRAZAC, PATRICK, FR
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[54] **GAUGE DISPLAY SYSTEM**
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[72] ROBINSON, CORY MICHAEL, US
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[72] SCHLEUNIGER, ROMAN, CH
[71] IIS TECHINCS AG, CH
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[72] SHIN, FELIX, GB
[72] ROSSEINSKY, MATTHEW, GB
[72] CLARIDGE, JOHN, GB
[71] CERES INTELLECTUAL PROPERTY COMPANY LIMITED, GB
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[54] **CLEANING POUCH**
[54] **SACHET DE NETTOYAGE**
[72] LETZELTER, NATHALIE SOPHIE, GB
[72] HULSKOTTTER, FRANK, DE
[72] MURKUNDE, ROHAN GOVIND, GB
[72] GOODALL, KEVIN GEORGE, BE
[72] REINOSO-GARCIA, MARTA, DE
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[54] **A VALVE ARRANGEMENT, A METHOD FOR IDENTIFYING AN UNDERGROUND VALVE OF A VALVE ARRANGEMENT AND USE OF A USE OF VALVE ARRANGEMENT**
[54] **AGENCEMENT DE VANNE, PROCEDE POUR IDENTIFIER UNE VANNE SOUTERRAINE D'UN AGENCEMENT DE VANNE ET UTILISATION D'UN AGENCEMENT DE VANNE**
[72] FREUDENDAIHL, ERLING ARNUM, DK
[71] AVK HOLDING A/S, DK
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[54] **IMPROVED PRESSURE CONTROL DEVICE**
[54] **DISPOSITIF AMELIORE DE REGULATION DE PRESSION**
[72] ATKINS, NICK, GB
[72] SPALDING, CRAIG, GB
[72] AVANASHIAPPAN, VIJAY, GB
[71] RUBBERATKINS LIMITED, GB
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[54] **APPLIANCE AND METHOD FOR COOKING AND/OR REHEATING**
[54] **APPAREIL ET PROCEDE DE CUISSON ET/OU RECHAUFFAGE**
[72] DELRUE, OLIVIER, FR
[71] SEB S.A., FR
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[54] **APPAREIL DE CUISSON A AIR CHAUD**
[72] DELRUE, OLIVIER, FR
[71] SEB S.A., FR
[85] 2017-05-26
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[54] **HIGH-PERFORMANCE THERMAL INSULATION PRODUCTS**
[54] **PRODUITS D'ISOLATION THERMIQUE HAUTES PERFORMANCES**
[72] GOLETTA, VALERIE, FR
[71] SAINT-GOBAIN ISOVER, FR
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[54] **METHOD FOR PREPARING A POLYMER MATERIAL MADE FROM PLANT MATERIAL**
[54] **PROCEDE DE PREPARATION D'UN MATERIAU POLYMER A BASE DE MATIERE VEGETALE**
[72] QUENEUDEC-TKINT, MICHELE, FR
[72] HOUESOU, KOFFI JUSTIN, FR
[72] MONTRELAY, NICOLAS, FR
[72] MBOUMBA-MAMBOUNDOU, LEON BRICE, FR
[71] UNIVERSITE DE PICARDIE JULES VERNE, FR
[71] BIOMASSE ENVIRONNEMENT SYSTEMES, FR
[71] COMMUNAUTE DE COMMUNES MORET SEINE ET LOING, FR
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[25] EN
[54] **STANDALONE SULFIDE BASED LITHIUM ION-CONDUCTING GLASS SOLID ELECTROLYTE AND ASSOCIATED STRUCTURES, CELLS AND METHODS**

[54] **ELECTROLYTE AUTONOME SOLIDE EN VERRE CONDUCTEUR D'IONS LITHIUM A BASE DE SULFURE ET STRUCTURES ASSOCIEES, CELLULES ASSOCIEES ET PROCEDES ASSOCIES**

[72] VISCO, STEVEN J., US
[72] NIMON, YEVGENIY S., US
[72] DE JONGHE, LUTGARD C., US
[72] KATZ, BRUCE D., US
[72] NIMON, VITALIY, US
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[30] US (62/086,641) 2014-12-02
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[54] **WAX COATING AND ASSOCIATED METHODS OF USE**

[54] **REVETEMENT A LA CIRE ET PROCEDES D'UTILISATION ASSOCIES**

[72] AGRAWAL, SARVESH K., US
[72] BASCHWITZ, KENT A., US
[72] HOCH, LARRY E., US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
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[54] **VITREOUS SOLID ELECTROLYTE SHEETS OF LI ION CONDUCTING SULFUR-BASED GLASS AND ASSOCIATED STRUCTURES, CELLS AND METHODS**

[54] **FEUILLES VITREUSES D'ELECTROLYTE SOLIDE D'UN VERRE A BASE DE SOUFRE CONDUCTEUR D'IONS LITHIUM (LI) AINSI QUE STRUCTURES, CELLULES ET PROCEDES ASSOCIES**

[72] VISCO, STEVEN J., US
[72] NIMON, YEVGENIY S., US
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[54] **RECIPIENTS EN PLASTIQUE, DURABLES, DE PIEGEAGE D'OXYGENE**

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[72] LYNCH, BRIAN A., US
[71] GRAHAM PACKAGING COMPANY, L.P., US
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[25] EN
[54] **EMULSIFIER PARTICLES AND METHODS FOR MAKING AND USING SAME**

[54] **PARTICULES D'EMULSIFIANT ET PROCEDES POUR LES FABRIQUER ET LES UTILISER**

[72] REDIGER, RICHARD A., US
[71] GEORGIA-PACIFIC CHEMICALS LLC, US
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[25] EN
[54] **DRY PRODUCTS FOR WELLBORE FLUIDS AND METHODS OF USE THEREOF**

[54] **PRODUITS SECS POUR FLUIDES POUR Puits DE FORAGE ET LEURS PROCEDES D'UTILISATION**

[72] YOUNG, STEVEN PHILIP, US
[72] STARK, JAMES, US
[72] LEE, LJEIN, US
[71] M-I L.L.C., US
[71] YOUNG, STEVEN PHILIP, US
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[71] LEE, LJEIN, US
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[86] 2015-12-04 (PCT/US2015/063882)
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[30] US (62/087,540) 2014-12-04

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[54] PRODUCTION DE BOUE CHIRURGICALE BIEN MELANGEE
[72] KAMMER, PATRICK, US
[72] RACKERS, KEVIN JOSEPH, US
[72] PERROT, BENJAMIN A., US
[71] C CHANGE SURGICAL LLC, US
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[30] US (62/085,590) 2014-11-30
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[51] Int.Cl. B64D 41/00 (2006.01) B64C 1/16 (2006.01) B64D 27/26 (2006.01) F16F 9/54 (2006.01) F16M 7/00 (2006.01)
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[54] SYSTEME DE SUSPENSION POUR UNITE D'ALIMENTATION AUXILIAIRE D'AERONEF
[72] BARSALI, GUILHERME, ES
[71] AIRBUS OPERATIONS S.L., ES
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[51] Int.Cl. A47J 27/00 (2006.01) A23L 5/10 (2016.01) A47J 27/21 (2006.01) A47J 27/62 (2006.01) A23L 7/00 (2016.01)
[25] FR
[54] METHOD FOR CONTROLLING A RICE COOKER AND RICE COOKER FOR IMPLEMENTATION OF SUCH A METHOD
[54] PROCEDE DE COMMANDE D'UN CUISEUR A RIZ ET CUISEUR A RIZ POUR LA MISE EN OEUVRE D'UN TEL PROCEDE
[72] GOYON, ANNABELLE, FR
[71] SEB S.A., FR
[85] 2017-05-29
[86] 2015-11-23 (PCT/FR2015/053176)
[87] (WO2016/083716)
[30] FR (1461460) 2014-11-25

[21] 2,969,180
[13] A1
[51] Int.Cl. C08G 18/48 (2006.01) B01J 19/06 (2006.01) C08L 75/08 (2006.01)
[25] FR
[54] THICKENING AGENT FOR AQUEOUS SYSTEMS, FORMULATIONS CONTAINING SAME AND USES THEREOF
[54] AGENT EPAISSISSANT POUR SYSTEMES AQUEUX, FORMULATIONS LE CONTENANT ET UTILISATIONS
[72] RUIHLMANN, DENIS, FR
[71] COATEX, FR
[85] 2017-05-29
[86] 2015-12-18 (PCT/FR2015/053617)
[87] (WO2016/097647)
[30] FR (1463021) 2014-12-19

[21] 2,969,181
[13] A1
[51] Int.Cl. B64G 1/62 (2006.01) B64G 1/64 (2006.01) F16B 31/00 (2006.01)
[25] EN
[54] PASSIVE DEVICE DESIGNED TO FACILITATE DEMISE OF A SPACE SYSTEM DURING RE-ENTRY INTO THE EARTH'S ATMOSPHERE
[54] DISPOSITIF PASSIF CONCU POUR FACILITER LA DISPARITION D'UN SYSTEME SPATIAL PENDANT LA RENTREE DANS L'ATMOSPHERE TERRESTRE
[72] PARISSENTI, GUIDO, IT
[72] ATTINA', PRIMO, IT
[72] DESTEFANIS, ROBERTO, IT
[72] GENNARO, CORRAIDO, IT
[72] GRASSI, LILITH, IT
[72] NEBIOLO, MARCO, IT
[71] THALES ALENIA SPACE ITALIA S.P.A. CON UNICO SOCIO, IT
[85] 2017-05-29
[86] 2015-12-01 (PCT/IB2015/059257)
[87] (WO2016/088044)
[30] IT (TO2014A000998) 2014-12-01

[21] 2,969,185
[13] A1
[51] Int.Cl. H01M 4/136 (2010.01) H01M 4/1397 (2010.01) H01M 10/052 (2010.01)
[25] FR
[54] ACTIVE ELECTRODE MATERIAL FOR A LI-S BATTERY
[54] MATIERE ACTIVE D'ELECTRODE POUR BATTERIE LI/S
[72] KORZHIENKO, ALEXANDER, FR
[72] VINCENTEAU, CHRISTOPHE, FR
[71] ARKEMA FRANCE, FR
[85] 2017-05-29
[86] 2015-12-21 (PCT/FR2015/053682)
[87] (WO2016/102865)
[30] FR (1463052) 2014-12-22

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[21] **2,969,212**
[13] A1

[51] **Int.Cl. B23K 9/12 (2006.01) B23K 9/29 (2006.01)**

[25] EN

[54] **CONNECTOR FOR ARC WELDING CONDUCTOR TUBE FOR GMAW MANUAL/ROBOTIC ARC WELDING MIG GUNS**

[54] **RACCORD POUR TUBE CONDUCTEUR DE SOUDAGE A L'ARC POUR PISTOLETS MIG DE SOUDAGE A L'ARC MANUEL/ROBOTIQUE GMAW**

[72] HASSAN, KHALID, US

[72] REDDING, GLENN, US

[71] VICTOR EQUIPMENT COMPANY, US

[85] 2017-05-29

[86] 2015-11-12 (PCT/US2015/060377)

[87] (WO2016/077582)

[30] US (14/540,783) 2014-11-13

[21] **2,969,213**
[13] A1

[51] **Int.Cl. B65G 15/60 (2006.01) B65G 15/64 (2006.01)**

[25] EN

[54] **TROUGH TRAINING IDLER**

[54] **POULIE D'ENTRAÎNEMENT D'AUGE**

[72] GIBBS, AARON T., US

[72] WILLIAMS, LEROY C., US

[71] ASGCO MANUFACTURING, INC., US

[85] 2017-05-29

[86] 2015-11-25 (PCT/US2015/062607)

[87] (WO2016/089690)

[30] US (62/086,955) 2014-12-03

[21] **2,969,217**
[13] A1

[51] **Int.Cl. A61M 5/172 (2006.01) A61M 5/168 (2006.01) G06F 19/00 (2011.01)**

[25] EN

[54] **ADVANCE DIAGNOSIS OF INFUSION DEVICE OPERATING MODE VIABILITY**

[54] **DIAGNOSTIC ANTICIPE DE VIABILITE DE MODE DE FONCTIONNEMENT DE DISPOSITIF DE PERFUSION**

[72] MONIRABBASI, SALMAN, US

[72] LINTEREUR, LOUIS J., US

[72] YAN, JIN, US

[71] MEDTRONIC MINIMED, INC., US

[85] 2017-05-29

[86] 2015-11-25 (PCT/US2015/062748)

[87] (WO2016/089701)

[30] US (14/561,128) 2014-12-04

[21] **2,969,221**
[13] A1

[51] **Int.Cl. A61K 31/485 (2006.01) A61K 47/54 (2017.01) A61K 47/55 (2017.01) A61P 25/04 (2006.01)**

[25] EN

[54] **BENZOIC ACID, BENZOIC ACID DERIVATIVES AND HETEROARYL CARBOXYLIC ACID CONJUGATES OF OXYMORPHONE, PRODRUGS, METHODS OF MAKING AND USE THEREOF**

[54] **ACIDE BENZOIQUE, DERIVES D'ACIDE BENZOIQUE ET CONJUGUES D'ACIDE HETEROARYLCARBOXYLIQUE D'OXYMORPHONE, PROMEDICAMENTS, LEURS PROCEDES DE FABRICATION ET D'UTILISATION**

[72] MICKLE, TRAVIS, US

[72] GUENTHER, SVEN, US

[72] BERA, SANJIB, US

[72] KANSKI, JAROSLAW, US

[72] MARTIN, ANDREA, US

[71] KEMPHARM, INC., US

[85] 2017-05-29

[86] 2015-12-02 (PCT/US2015/063351)

[87] (WO2016/089951)

[30] US (62/086,326) 2014-12-02

[21] **2,969,223**
[13] A1

[51] **Int.Cl. A01B 33/02 (2006.01) A01B 33/06 (2006.01) A01B 33/10 (2006.01)**

[25] EN

[54] **VERTICAL TINE TILLER**

[54] **MOTOCULTEUR A DENTS VERTICALES**

[72] MAGGARD, JAY, US

[71] MTD PRODUCTS INC, US

[85] 2017-05-29

[86] 2015-12-01 (PCT/US2015/063198)

[87] (WO2016/089877)

[30] US (62/086,367) 2014-12-02

[21] **2,969,250**
[13] A1

[51] **Int.Cl. E21B 17/042 (2006.01) F16L 15/00 (2006.01)**

[25] EN

[54] **TUBULAR CONNECTION WITH SELF-LOCKING THREAD FORM USED IN THE OIL INDUSTRY**

[54] **RACCORD TUBULAIRE DOTE D'UNE FORME DE FILETAGE A VERROUILLAGE AUTOMATIQUE UTILISEE DANS L'INDUSTRIE PETROLIERE**

[72] BESSE, JEAN-GUILLAUME, FR

[71] VALLOUREC OIL AND GAS FRANCE, FR

[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP

[85] 2017-05-29

[86] 2015-12-21 (PCT/IB2015/059847)

[87] (WO2016/108141)

[30] US (14/587,899) 2014-12-31

[21] **2,969,283**
[13] A1

[51] **Int.Cl. A01M 1/10 (2006.01)**

[25] FR

[54] **CRAWLING-INSECT TRAP**

[54] **PIEGE A INSECTES RAMPANTS**

[72] CHIELLE, RENE, FR

[72] HARRACA, VINCENT, FR

[72] VILBERT, ARNAUD, FR

[72] BALLAS, STEPHANE, FR

[72] HIREL, SEBASTIEN, FR

[72] VERONESE, THIERRY, FR

[72] BUSUTTIL, ANNE MARIE, FR

[71] AB7 INNOVATION S.A.S.U., FR

[71] OVALIE INNOVATION S.A.S., FR

[85] 2017-05-30

[86] 2015-12-23 (PCT/FR2015/000240)

[87] (WO2016/102787)

[30] FR (1402998) 2014-12-23

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[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) A61P 1/00 (2006.01) C07K 14/715 (2006.01) C07K 19/00 (2006.01) A61K 38/20 (2006.01)**
[25] EN
[54] **ADMINISTRATION OF A SELECTIVE IL-6-TRANS-SIGNALING INHIBITOR**
[54] **ADMINISTRATION D'UN INHIBITEUR DE SIGNALISATION DE TRANS-SIGNALISATION PAR IL-6 SELECTIF**
[72] COTTINGHAM, IAN, CH
[72] PETRI, NICLAS AXEL, DK
[71] FERRING B.V., NL
[85] 2017-05-30
[86] 2015-12-01 (PCT/IB2015/002459)
[87] (WO2016/087941)
[30] US (62/086,054) 2014-12-01

[21] **2,969,305**
[13] A1
[51] **Int.Cl. B61G 11/16 (2006.01) B61G 9/20 (2006.01)**
[25] EN
[54] **DEVICE ABSORBING THE ENERGY OF IMPACTS OF RAILWAY CARS**
[54] **DISPOSITIF ABSORBANT L'ENERGIE DE CHOC DE WAGONS**
[72] KUKULSKI, JAN, PL
[72] WASILEWSKI, LESZEK, PL
[71] AXSTONE SPOLKA AKCYJNA, PL
[85] 2017-05-30
[86] 2015-11-30 (PCT/IB2015/059202)
[87] (WO2016/088012)
[30] PL (P.410337) 2014-12-02

[21] **2,969,327**
[13] A1
[51] **Int.Cl. A61B 34/00 (2016.01) A61B 34/10 (2016.01) G06T 7/00 (2017.01)**
[25] EN
[54] **VESSEL ANALYSIS IN MULTIPLEXED IMAGES**
[54] **ANALYSE DE VAISSEAUX DANS DES IMAGES MULTIPLEXEES**
[72] YUAN, QUAN, US
[72] FUCHS, ANGELIKA, DE
[72] CHUKKA, SRINIVAS, US
[72] FERNANDEZ, GERARDO, US
[72] LITTLE, ELIZABETH, US
[71] VENTANA MEDICAL SYSTEMS, INC., US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-05-30
[86] 2015-12-24 (PCT/US2015/000331)
[87] (WO2016/108933)
[30] US (62/097,419) 2014-12-29
[30] US (62/267,714) 2015-12-15

[21] **2,969,337**
[13] A1
[51] **Int.Cl. F16L 1/15 (2006.01) B63B 35/03 (2006.01) B63B 35/44 (2006.01) F03G 7/05 (2006.01) F16L 1/038 (2006.01) F16L 1/12 (2006.01) F16L 9/22 (2006.01)**
[25] EN
[54] **COLD WATER PIPE ASSEMBLY FOR OCEAN THERMAL ENERGY CONVERSION**
[54] **ENSEMBLE FORMANT TUYAUTERIE D'EAU FROIDE A DES FINS DE CONVERSION DE L'ENERGIE THERMIQUE DES OCEANS**
[72] GAIGLER, RANDY L., US
[72] ASCARI, MATTHEW B., US
[72] FLEISCHER, COREY A., US
[72] WAICUKAUSKI, JAMES A., US
[71] LOCKHEED MARTIN CORPORATION, US
[85] 2017-05-30
[86] 2015-12-18 (PCT/US2015/066696)
[87] (WO2016/100828)
[30] US (14/577,237) 2014-12-19

[21] **2,969,352**
[13] A1
[51] **Int.Cl. B32B 7/12 (2006.01)**
[25] EN
[54] **SOUND DAMPING SYSTEM**
[54] **SYSTEME D'INSONORISATION**
[72] DESAI, UMESH C., US
[72] PELINESECU, ION, US
[72] CHAO, TIEN-CHIEH, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2017-05-30
[86] 2015-11-23 (PCT/US2015/062146)
[87] (WO2016/089651)
[30] US (14/556,309) 2014-12-01

[21] **2,969,358**
[13] A1
[51] **Int.Cl. A63H 3/16 (2006.01) A63H 33/06 (2006.01) F16B 37/08 (2006.01)**
[25] EN
[54] **A STRUCTURE COMPRISING TWO SHELL PARTS**
[54] **STRUCTURE COMPRENANT DEUX PARTIES DE COQUE**
[72] SCHILDKNECHT HOE, MIKKEL, DK
[72] MORTENSEN, PER, DK
[71] LEGO A/S, DK
[85] 2017-05-31
[86] 2015-12-01 (PCT/DK2015/050370)
[87] (WO2016/086940)
[30] DK (PA201470754) 2014-12-01

[21] **2,969,380**
[13] A1
[51] **Int.Cl. B23K 11/11 (2006.01) B23B 31/22 (2006.01) B23K 11/30 (2006.01)**
[25] EN
[54] **A MECHANISM FOR RELEASING ELECTRODE CAPS FROM A SPOT WELDING GUN**
[54] **MECANISME POUR LIBERER DES CAPUCHONS D'ELECTRODE A PARTIR D'UN PISTOLET DE SOUDAGE PAR POINTS**
[72] TEDESCHI, EUGENIO, IT
[72] PALOPOLI, GIUSEPPE, IT
[71] SINTERLEGHIE S.R.L., IT
[85] 2017-05-31
[86] 2015-12-02 (PCT/IB2015/059288)
[87] (WO2016/088056)
[30] IT (TO2014A001008) 2014-12-04

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[21] **2,969,395**
[13] A1

[51] **Int.Cl. A41D 13/11 (2006.01) A41D 20/00 (2006.01)**
[25] EN
[54] **RESPIRATOR HEADBAND**
[54] **BANDEAU SERRE-TETE DE RESPIRATEUR**
[72] HENDERSON, CHRISTOPHER P., GB
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-05-30
[86] 2015-12-02 (PCT/US2015/063316)
[87] (WO2016/089937)
[30] GB (1421616.2) 2014-12-04

[21] **2,969,419**
[13] A1

[51] **Int.Cl. H01M 4/136 (2010.01) H01M 4/1397 (2010.01) H01M 10/052 (2010.01)**
[25] EN
[54] **A CATHODE FOR A LI/S BATTERY**
[54] **CATHODE POUR BATTERIE LI/S**
[72] AINSWORTH, DAVID, GB
[72] ROWLANDS, STEPHEN E., GB
[72] KREIS, JUSTYNA KATARZYNA, GB
[72] URRUTIA MUNOZ, LISSET AMPARO, GB
[71] OXIS ENERGY LIMITED, GB
[85] 2017-05-31
[86] 2015-12-21 (PCT/GB2015/054103)
[87] (WO2016/102942)
[30] GB (1422981.9) 2014-12-22
[30] GB (1516603.6) 2015-09-18

[21] **2,969,421**
[13] A1

[51] **Int.Cl. A61K 8/66 (2006.01) A61K 8/9728 (2017.01) A61K 8/64 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING A SIRT6 ACTIVATOR AND A DNA REPAIR ENZYME**
[54] **COMPOSITIONS COMPRENANT UN ACTIVATEUR DE SIRT6 ET UNE ENZYME DE REPARATION DE L'ADN**
[72] PERNODET, NADINE, US
[72] DONG, KELLY, US
[72] PELLE, EDWARD, US
[71] ELC MANAGEMENT LLC, US
[85] 2017-05-31
[86] 2015-11-23 (PCT/US2015/062128)
[87] (WO2016/094073)
[30] US (62/089,618) 2014-12-09

[21] **2,969,424**
[13] A1

[51] **Int.Cl. H01M 8/18 (2006.01) H01M 8/102 (2016.01)**
[25] EN
[54] **POLYMERIC ELECTROLYTE MEMBRANE FOR A REDOX FLOW BATTERY**
[54] **MEMBRANE ELECTROLYTE POLYMERES POUR BATTERIE A FLUX REDOX**
[72] SCHABERG, MARK S., US
[72] HAUGEN, GREGORY M., US
[72] HAMROCK, STEVEN J., US
[72] XIONG, PA N., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-05-31
[86] 2015-11-24 (PCT/US2015/062246)
[87] (WO2016/089658)
[30] US (62/086,956) 2014-12-03

[21] **2,969,426**
[13] A1

[51] **Int.Cl. C08L 23/06 (2006.01) B32B 27/20 (2006.01) B32B 27/32 (2006.01) C08J 3/20 (2006.01) C08J 5/18 (2006.01) C08K 5/29 (2006.01) C08K 5/34 (2006.01)**
[25] EN
[54] **POLYMER COMPOSITIONS, SHRINK FILMS, AND METHODS OF MAKING THEREOF**
[54] **COMPOSITIONS POLYMERES, FILMS RETRACTABLES, ET LEURS PROCEDES DE FABRICATION**
[72] LEANO, MAURICIO E., US
[72] ELOWE, PAUL R., US
[72] LEUGERS, MARY ANNE, US
[72] PETERSON, BRUCE, US
[72] TOYLI, MATTHEW, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-05-31
[86] 2015-10-21 (PCT/US2015/056647)
[87] (WO2016/089495)
[30] US (62/085,981) 2014-12-01

[21] **2,969,441**
[13] A1

[51] **Int.Cl. B32B 27/32 (2006.01) B32B 27/16 (2006.01) B32B 27/18 (2006.01) B32B 38/00 (2006.01) C08J 5/18 (2006.01) C08J 7/04 (2006.01) C08L 23/06 (2006.01) C09J 7/02 (2006.01)**
[25] EN
[54] **SHRINK FILMS COMPRISING A NIR ABSORBENT COATING, AND METHODS OF MAKING THEREOF**
[54] **FILMS RETRACTABLES COMPRENANT UN REVETEMENT ABSORBANT DANS LE NIR, ET LEURS PROCEDES DE PRODUCTION**
[72] LEANO, MAURICIO E., US
[72] ELOWE, PAUL R., US
[72] LEUGERS, MARY ANNE, US
[72] BHATTACHARJEE, DEBKUMAR, US
[72] PANGBURN, TODD O., US
[72] PETERSON, BRUCE, US
[72] TOYLI, MATTHEW, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-05-31
[86] 2015-10-21 (PCT/US2015/056658)
[87] (WO2016/089496)
[30] US (62/085,979) 2014-12-01

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[13] A1

[51] **Int.Cl. C08L 23/06 (2006.01) B32B 27/20 (2006.01) B32B 27/32 (2006.01) C08J 3/20 (2006.01) C08J 5/18 (2006.01) C08K 3/04 (2006.01) C08K 5/01 (2006.01) C08K 5/3465 (2006.01)**
[25] EN
[54] **POLYMER COMPOSITIONS, SHRINK FILMS, AND METHODS OF MAKING THEREOF**
[54] **COMPOSITIONS POLYMERES, FILMS RETRACTABLES, ET LEURS PROCEDES DE FABRICATION**
[72] LEANO, MAURICIO E., US
[72] ELOWE, PAUL R., US
[72] LEUGERS, MARY ANNE, US
[72] NANJUNDIAH, KUMAR, US
[72] PETERSON, BRUCE, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-05-31
[86] 2015-10-21 (PCT/US2015/056636)
[87] (WO2016/089493)
[30] US (62/085,989) 2014-12-01

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[21] 2,969,444
[13] A1
[51] **Int.Cl. B32B 27/32 (2006.01) B32B 27/16 (2006.01) B32B 27/18 (2006.01) B32B 38/00 (2006.01) C08J 5/18 (2006.01) C08J 7/04 (2006.01) C08L 23/06 (2006.01) C09J 7/02 (2006.01)**
[25] EN
[54] **SHRINK FILMS, AND METHODS FOR MAKING THEREOF**
[54] **FILMS RETRECISSABLES ET LEURS PROCEDES DE FABRICATION**
[72] LEANO, MAURICIO E., US
[72] ELOWE, PAUL R., US
[72] LEUGERS, MARY ANNE, US
[72] BHATTACHARJEE, DEBKUMAR, US
[72] PANGBURN, TODD O., US
[72] PETERSON, BRUCE, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-05-31
[86] 2015-10-21 (PCT/US2015/056643)
[87] (WO2016/089494)
[30] US (62/085,986) 2014-12-01

[21] 2,969,457
[13] A1
[51] **Int.Cl. C11D 3/386 (2006.01) C11D 1/29 (2006.01) C11D 3/37 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **DETERGENT COMPOSITION**
[54] **COMPOSITION DE DETERGENT**
[72] SOUTER, PHILIP FRANK, GB
[72] BROOKER, ALAN THOMAS, GB
[72] URE, COLIN, GB
[72] WILKINSON, CRAIG ADAM, GB
[72] BEWICK, LINDSAY SUZANNE, GB
[72] MILLWARD, KELLY ANN, GB
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-05-31
[86] 2015-12-01 (PCT/US2015/063116)
[87] (WO2016/099858)
[30] EP (14198695.0) 2014-12-17

[21] 2,969,458
[13] A1
[51] **Int.Cl. C11D 3/386 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **DETERGENT COMPOSITION**
[54] **COMPOSITION DE DETERGENT**
[72] SOUTER, PHILIP FRANK, GB
[72] BROOKER, ALAN THOMAS, GB
[72] URE, COLIN, GB
[72] WILKINSON, CRAIG ADAM, GB
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-05-31
[86] 2015-12-01 (PCT/US2015/063117)
[87] (WO2016/099859)
[30] EP (14198697.6) 2014-12-17

[21] 2,969,465
[13] A1
[51] **Int.Cl. C11D 3/386 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **DETERGENT COMPOSITION**
[54] **COMPOSITION DE DETERGENT**
[72] BROOKER, ALAN THOMAS, GB
[72] SOUTER, PHILIP FRANK, GB
[72] URE, COLIN, GB
[72] WILKINSON, CRAIG ADAM, GB
[72] BEWICK, LINDSAY SUZANNE, GB
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-05-31
[86] 2015-12-15 (PCT/US2015/065790)
[87] (WO2016/100323)
[30] EP (14198693.5) 2014-12-17

[21] 2,969,478
[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/20 (2006.01) B32B 33/00 (2006.01) B32B 37/00 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **MONOLITHIC BREATHABLE FILM AND COMPOSITE MANUFACTURED THEREFROM**
[54] **FILM PERMEABLE A L'AIR MONOLITHIQUE ET COMPOSITE FABRIQUE A PARTIR DE CELUI-CI**
[72] ZHAO, RONGGUO, US
[71] AVINTIV SPECIALTY MATERIALS INC., US
[85] 2017-05-31
[86] 2015-12-17 (PCT/US2015/066435)
[87] (WO2016/100699)
[30] US (62/094,108) 2014-12-19

[21] 2,969,480
[13] A1
[51] **Int.Cl. A61K 8/19 (2006.01) A61K 8/81 (2006.01) A61K 33/24 (2006.01) A61K 47/32 (2006.01) A61P 1/02 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **MOUTHRINSE FORMULATIONS**
[54] **FORMULATIONS D'EAU DENTAIRE**
[72] HESS, SYLVIA, CH
[72] HINRICHIS, RUTH, CH
[72] JAKUMET, STEPHANIE, DE
[72] MATUR, TURAN, CH
[72] BRUNELLA, ANDRE, CH
[72] REIFF, PETER, DE
[71] GABA INTERNATIONAL HOLDING GMBH, CH
[85] 2017-05-31
[86] 2015-12-18 (PCT/US2015/066642)
[87] (WO2016/100802)
[30] US (62/093,533) 2014-12-18

[21] 2,969,502
[13] A1
[51] **Int.Cl. F25B 1/00 (2006.01) F25B 1/02 (2006.01) F25B 6/04 (2006.01) F25B 41/00 (2006.01)**
[25] EN
[54] **REFRIGERATION DEVICE**
[54] **DISPOSITIF DE REFRIGERATION**
[72] ASCANI, MAURIZIO, IT
[71] ANGELANTONI TEST TECHNOLOGIES S.R.L., IN SHORT ATT S.R.L., IT
[85] 2017-06-01
[86] 2015-12-11 (PCT/IB2015/059532)
[87] (WO2016/092512)
[30] IT (PG2014A000063) 2014-12-11

[21] 2,969,520
[13] A1
[51] **Int.Cl. E02F 9/28 (2006.01) E21C 35/18 (2006.01)**
[25] EN
[54] **REPLACEABLE SHROUD FOR WORK IMPLEMENT**
[54] **CARENAGE REMPLACABLE POUR OUTIL DE TRAVAIL**
[72] SERRURIER, DOUGLAS C., US
[72] MAGULURU, MADHUKAR, US
[71] CATERPILLAR INC., US
[85] 2017-06-01
[86] 2015-11-16 (PCT/US2015/060849)
[87] (WO2016/089581)
[30] US (62/088,171) 2014-12-05
[30] US (14/879,292) 2015-10-09

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[21] **2,969,524**
[13] A1

[51] **Int.Cl. C09K 11/61 (2006.01) H01L 33/50 (2010.01)**
[25] EN
[54] **PHOSPHOR COMPOSITIONS AND LIGHTING APPARATUS THEREOF**
[54] **COMPOSITIONS DE LUMINOPHORE ET APPAREIL D'ECLAIRAGE ASSOCIE**
[72] SRIVASTAVA, ALOK MANI, US
[72] COMANZO, HOLLY ANN, US
[72] BEERS, WILLIAM WINDER, US
[72] CAMARDELLO, SAMUEL JOSEPH, US
[72] DU, FANGMING, US
[72] COHEN, WILLIAM ERWIN, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2017-06-01
[86] 2015-11-24 (PCT/US2015/062258)
[87] (WO2016/094077)
[30] US (14/568,170) 2014-12-12

[21] **2,969,541**
[13] A1

[51] **Int.Cl. A61K 8/19 (2006.01) A61K 8/362 (2006.01) A61K 33/24 (2006.01) A61K 47/12 (2006.01) A61P 1/02 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **MOUTHRINSE FORMULATIONS**
[54] **FORMULATIONS D'EAU DENTAIRE**
[72] HINRICHS, RUTH, CH
[72] MATUR, TURAN, CH
[72] BRUNELLA, ANDRE, CH
[72] HESS, SYLVIA, CH
[71] GABA INTERNATIONAL HOLDING GMBH, CH
[85] 2017-06-01
[86] 2015-12-17 (PCT/US2015/066304)
[87] (WO2016/100628)
[30] US (62/093,545) 2014-12-18

[21] **2,969,548**
[13] A1

[51] **Int.Cl. C09K 8/00 (2006.01) C09K 8/532 (2006.01) C09K 8/54 (2006.01) C12N 9/10 (2006.01) E21B 21/00 (2006.01) E21B 37/06 (2006.01) E21B 43/22 (2006.01) C12N 15/54 (2006.01)**
[25] EN
[54] **ENZYMES FOR REMOVING SULFUROUS COMPOUNDS IN DOWNHOLE FLUIDS**
[54] **ENZYMES CAPABLES D'ELIMINER LES COMPOSES SULFUREUX CONTENUS DANS LES FLUIDES DE FONDS DE TROUS**
[72] DHULIPALA, PRASAD D., US
[72] ARMSTRONG, CHARLES D., US
[71] BAKERS HUGHES INCORPORATED, US
[85] 2017-06-01
[86] 2015-11-30 (PCT/US2015/062984)
[87] (WO2016/089765)
[30] US (14/560,762) 2014-12-04

[21] **2,969,607**
[13] A1

[51] **Int.Cl. B66F 11/04 (2006.01) B66C 23/78 (2006.01) B66F 17/00 (2006.01)**
[25] EN
[54] **STABILIZER ARRANGEMENT**
[54] **AGENCEMENT DE STABILISATEUR**
[72] RICHARDSON, MARK JOHN, GB
[72] KING, BRIAN ROBERT, GB
[71] JLG INDUSTRIES, INC, US
[85] 2017-06-02
[86] 2015-11-27 (PCT/GB2015/053617)
[87] (WO2016/087824)
[30] GB (1421571.9) 2014-12-04
[30] GB (1517285.1) 2015-09-30

[21] **2,969,610**
[13] A1

[51] **Int.Cl. E05C 17/50 (2006.01) E05B 15/04 (2006.01)**
[25] EN
[54] **AUTOMATIC STOP FOR DOORS AND WINDOW SHUTTERS PROVIDED WITH ADJUSTABLE STRUCTURE**
[54] **BUTEE AUTOMATIQUE A STRUCTURE REGLABLE POUR PORTES ET VOILETS DE FENETRE**
[72] CIRILLI, ALESSANDRO, IT
[71] ESINPLAST - S.R.L., IT
[85] 2017-06-02
[86] 2015-01-22 (PCT/IT2015/000011)
[87] (WO2016/088143)
[30] IT (AN2014U000085) 2014-12-03

[21] **2,969,612**
[13] A1

[51] **Int.Cl. B01F 5/06 (2006.01) B01L 3/00 (2006.01)**
[25] EN
[54] **FLUID MIXING STRUCTURE, CONTINUOUS REACTION UNIT, CONTINUOUS REACTION REACTOR AND METHOD OF USING THE SAME**
[54] **STRUCTURE DE MELANGE DE FLUIDE, UNITE DE REACTION CONTINUE, REACTEUR DE REACTION CONTINUE ET PROCEDE D'UTILISATION DE CELUI-CI**
[72] ROBERGE, DOMINIQUE, CH
[72] PLOUFFE, PATRICK, CA
[72] MACCHI, ARTURO, CA
[71] LONZA LTD, CH
[85] 2017-06-02
[86] 2015-12-09 (PCT/IT2015/000301)
[87] (WO2016/092581)
[30] EP (EP 14196803.2) 2014-12-08

[21] **2,969,615**
[13] A1

[51] **Int.Cl. F16J 1/12 (2006.01) B60T 11/18 (2006.01) B60T 17/22 (2006.01)**
[25] EN
[54] **IMPROVED BRAKE PISTON ASSEMBLY**
[54] **ENSEMBLE PISTON DE FREIN AMELIORE**
[72] WRIGHT, ERIC C., US
[71] NEW YORK AIR BRAKE, LLC, US
[85] 2017-06-02
[86] 2014-12-03 (PCT/US2014/068380)
[87] (WO2016/089392)

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[21] 2,969,629
[13] A1

[51] Int.Cl. C08L 51/10 (2006.01) C08J 3/24 (2006.01) C08K 3/00 (2006.01) C08K 7/00 (2006.01) E21B 23/06 (2006.01) E21B 33/12 (2006.01)

[25] EN

[54] **INITIATOR NANOCONSTITUENTS FOR ELASTOMER CROSSLINKING AND RELATED METHODS AND ARTICLES**

[54] **NANOCONSTITUANTS INITIATEURS POUR UNE RETICULATION ELASTOMERE ET PROCEDES ET ARTICLES ASSOCIES**

[72] KHABASHESKU, VALERY N., US

[72] GOODSON, JAMES EDWARD, US

[71] BAKER HUGHES INCORPORATED, US

[85] 2017-06-19

[86] 2015-11-02 (PCT/US2015/058639)

[87] (WO2016/073365)

[30] US (14/531,218) 2014-11-03

[21] 2,969,651
[13] A1

[51] Int.Cl. C10M 163/00 (2006.01) C10M 129/16 (2006.01) C10M 159/20 (2006.01)

[25] EN

[54] **LUBRICATING COMPOSITION CONTAINING AN OXYALKYLATED HYDROCARBYL PHENOL**

[54] **COMPOSITION LUBRIFIANTE CONTENANT UN PHENOL HYDROCARBYLE OXYALKYLE**

[72] ZHANG, YANSIII, US

[71] THE LUBRIZOL CORPORATION, US

[85] 2017-06-02

[86] 2015-12-03 (PCT/US2015/063573)

[87] (WO2016/090065)

[30] US (62/086,818) 2014-12-03

[21] 2,969,661
[13] A1

[51] Int.Cl. C08L 33/06 (2006.01) A61K 9/14 (2006.01) A61K 31/4184 (2006.01) A61K 47/32 (2006.01) C08K 5/41 (2006.01)

[25] EN

[54] **ANTICANCER COMPOSITIONS**

[54] **COMPOSITIONS ANTICANCEREUSES**

[72] VERRECK, GIEERT, BE

[71] ARAGON PHARMACEUTICALS, INC., US

[85] 2017-06-02

[86] 2015-12-03 (PCT/US2015/063667)

[87] (WO2016/090101)

[30] EP (14196591.3) 2014-12-05

[21] 2,969,679
[13] A1

[51] Int.Cl. C10M 129/16 (2006.01) C10M 163/00 (2006.01)

[25] EN

[54] **LUBRICATING COMPOSITION CONTAINING AN OXYALKYLATED AROMATIC POLYOL COMPOUND**

[54] **COMPOSITION LUBRIFIANTE CONTENANT UN COMPOSE POLYOL AROMATIQUE OXYALKYLE**

[72] KUNCHITHAPATHAM, KAMALAKUMARI, US

[72] MORETON, DAVID J., GB

[72] FAHMY, MOHAMED G., US

[72] WALKER, GARY M., GB

[72] ROSKI, JAMES P., US

[72] ZHANG, YANSIII, US

[72] COX, ADAM, US

[72] BARNES, PRESTON, US

[72] DELBRIDGE, EWAN E., US

[71] THE LUBRIZOL CORPORATION, US

[85] 2017-06-02

[86] 2015-12-03 (PCT/US2015/063678)

[87] (WO2016/090108)

[30] US (62/086,831) 2014-12-03

[21] 2,969,687
[13] A1

[51] Int.Cl. C09K 8/80 (2006.01) E21B 43/267 (2006.01)

[25] EN

[54] **PROPPANT COMPRISING AN OIL WELL TREATMENT AGENT COATING**

[54] **AGENT DE SOUTENEMENT COMPRENANT UN REVETEMENT A BASE D'AGENT DE TRAITEMENT POUR Puits DE PETROLE**

[72] POTISEK, STEPHANIE L., US

[72] AOU, KAORU, US

[72] MEDINA, JUAN CARLOS, US

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2017-06-02

[86] 2015-11-18 (PCT/US2015/061262)

[87] (WO2016/089599)

[30] US (62/087,860) 2014-12-05

[21] 2,969,692
[13] A1

[51] Int.Cl. E21B 23/06 (2006.01) E21B 33/12 (2006.01) E21B 41/00 (2006.01)

[25] EN

[54] **DEGRADABLE ANCHOR DEVICE WITH GRANULAR MATERIAL**

[54] **DISPOSITIF D'ANCRAGE DEGRADABLE AVEC MATERIAU GRANULAIRE**

[72] ZHANG, ZHIHUI, US

[72] XU, YINGQING, US

[72] XU, ZHIYUE, US

[72] KING, JAMES, US

[71] BAKER HUGHES INCORPORATED, US

[85] 2017-06-02

[86] 2015-12-04 (PCT/US2015/063977)

[87] (WO2016/090236)

[30] US (14/561,523) 2014-12-05

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[21] **2,969,694**
[13] A1

[51] **Int.Cl. C08L 81/02 (2006.01) B05D 3/06 (2006.01) C08J 3/28 (2006.01) C09K 3/10 (2006.01) C08G 75/045 (2016.01) C08G 75/12 (2016.01)**

[25] EN

[54] **METHODS FOR MAKING CURED SEALANTS BY ACTINIC RADIATION AND RELATED COMPOSITIONS**

[54] **PROCEDES DE PRODUCTION DE PRODUITS D'ETANCHEITE DURCIS PAR UN RAYONNEMENT ACTINIQUE ET COMPOSITIONS ASSOCIEES**

[72] KELEDJIAN, RAQUEL, US

[72] LIN, RENJIE, US

[72] RAO, CHANDRA B., US

[72] VIRNELSON, BRUCE, US

[71] PRC-DESOTO INTERNATIONAL, INC., US

[85] 2017-06-02

[86] 2015-12-04 (PCT/US2015/064005)

[87] (WO2016/090253)

[30] US (14/560,565) 2014-12-04

[21] **2,969,698**
[13] A1

[51] **Int.Cl. B24D 11/00 (2006.01) B24D 3/02 (2006.01)**

[25] EN

[54] **ABRASIVE BELT WITH ANGLED SHAPED ABRASIVE PARTICLES**

[54] **COURROIE ABRASIVE COMPRENANT DES PARTICULES ABRASIVES DE FORME INCLINEE**

[72] KEIPERT, STEVEN J., US

[72] CULLER, SCOTT R., US

[72] BODEN, JOHN T., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2017-06-02

[86] 2015-11-24 (PCT/US2015/062411)

[87] (WO2016/089675)

[30] US (62/087,524) 2014-12-04

[21] **2,969,702**
[13] A1

[51] **Int.Cl. B60P 3/34 (2006.01) B60R 13/06 (2006.01) F16J 15/02 (2006.01)**

[25] EN

[54] **COMBINATION SPLASH SEAL AND WEAR BAR**

[54] **COMBINAISON DE JOINT ANTI-ECLABOUSSURE ET DE BARRE D'USURE**

[72] KSIEZOPOLSKI, EDWIN E., US

[72] KSIEZOPOLSKI, KEVIN J., US

[71] LIFETIME INDUSTRIES, INC., US

[85] 2017-06-02

[86] 2015-12-07 (PCT/US2015/064297)

[87] (WO2016/094312)

[30] US (14/563,146) 2014-12-08

[30] US (14/959,840) 2015-12-04

[21] **2,969,705**
[13] A1

[51] **Int.Cl. F16J 15/16 (2006.01) F16C 33/72 (2006.01) F16J 15/32 (2016.01)**

[25] EN

[54] **BEARING ISOLATOR SEAL WITH TAPERED STATIC SHUTOFF O-RING INTERFACE**

[54] **JOINT D'ETANCHEITE D'ISOLATEUR DE PALIER AVEC INTERFACE A JOINT TORIQUE DE FERMETURE STATIQUE EFFILEE**

[72] BENDER, ROBERT PAUL, US

[72] MALOCHA, JASON MATTHEW, US

[72] BARKER, JOSEPH CHARLES, US

[71] FLOWSERVE MANAGEMENT COMPANY, US

[85] 2017-06-02

[86] 2015-12-08 (PCT/US2015/064422)

[87] (WO2016/094365)

[30] US (62/088,808) 2014-12-08

[21] **2,969,712**
[13] A1

[51] **Int.Cl. C10M 129/16 (2006.01) C10M 163/00 (2006.01)**

[25] EN

[54] **LUBRICATING COMPOSITION CONTAINING AN OXYALKYLATED AROMATIC POLYOL COMPOUND**

[54] **COMPOSITION LUBRIFIANTE CONTENANT UN COMPOSE DE POLYOL AROMATIQUE OXYALKYLE**

[72] KUNCHITHAPATHAM, KAMALAKUMARI, US

[72] MORETON, DAVID J., GB

[72] FAHMY, MOHAMED G., US

[72] WALKER, GARY M., GB

[72] ROSKI, JAMES P., US

[72] ZHANG, YANSHI, US

[72] COX, ADAM, US

[72] BARNES, PRESTON, US

[72] DELBRIDGE, EWAN E., US

[71] THE LUBRIZOL CORPORATION, US

[85] 2017-06-02

[86] 2015-12-03 (PCT/US2015/063701)

[87] (WO2016/090121)

[30] US (62/086,831) 2014-12-03

[21] **2,969,719**
[13] A1

[51] **Int.Cl. C10M 145/32 (2006.01)**

[25] EN

[54] **HIGH CONDUCTIVITY FLUID FOR AIR COMPRESSOR APPLICATIONS**

[54] **FLUIDE A HAUTE CONDUCTIVITE POUR APPLICATIONS DE COMPRESSEUR D'AIR**

[72] FOSTER, MICHAEL G., US

[72] BAKER, MARK R., US

[72] BRIGGS, CARRIE S., US

[72] FITTING, CASEY R., US

[71] THE LUBRIZOL CORPORATION, US

[85] 2017-06-02

[86] 2015-12-02 (PCT/US2015/063418)

[87] (WO2016/089991)

[30] US (62/087,384) 2014-12-04

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[21] 2,969,720

[13] A1

- [51] Int.Cl. E21B 17/10 (2006.01)
- [25] EN
- [54] **STABILIZER**
- [54] **STABILISATEUR**
- [72] GLASER, MARK C., US
- [72] SCHULTZ, WILLIAM, US
- [71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
- [85] 2017-06-02
- [86] 2015-12-10 (PCT/US2015/064991)
- [87] (WO2016/094655)
- [30] US (14/569,414) 2014-12-12

[21] 2,969,726

[13] A1

- [51] Int.Cl. F15B 15/06 (2006.01) F04F 13/00 (2009.01) E21B 43/26 (2006.01)
- [25] EN
- [54] **SYSTEMS AND METHODS FOR A COMMON MANIFOLD WITH INTEGRATED HYDRAULIC ENERGY TRANSFER SYSTEMS**
- [54] **SYSTEMES ET PROCEDES POUR UN COLLECTEUR COMMUN AVEC DES SYSTEMES DE TRANSFERT D'ENERGIE HYDRAULIQUE INTEGRES**
- [72] HOFFMAN, ADAM ROTHSCILD, US
- [72] THEODOSSIOU, ALEXANDER PATRICK, US
- [72] ANDERSON, DAVID DELOYD, US
- [72] GHASRIPOOR, FARSHAD, US
- [72] MARTIN, JEREMY GRANT, US
- [71] ENERGY RECOVERY, INC., US
- [85] 2017-06-02
- [86] 2015-12-04 (PCT/US2015/063870)
- [87] (WO2016/090201)
- [30] US (62/088,435) 2014-12-05
- [30] US (14/958,383) 2015-12-03

[21] 2,969,735

[13] A1

- [51] Int.Cl. B01F 3/12 (2006.01) B01F 5/10 (2006.01) B01F 15/02 (2006.01)
 - [25] EN
 - [54] **MIXING AND DELIVERY METHOD, ARRANGEMENT AND PUMP FOR SUPPLYING SMALL PARTICLES SUSPENDED IN A LIQUID TO FORM SLURRY FOR DELIVERY**
 - [54] **PROCEDE DE MELANGE ET DE DISTRIBUTION, AGENCEMENT ET POMPE POUR L'APPORT DE PETITES PARTICULES EN SUSPENSION DANS UN LIQUIDE POUR FORMER UNE SUSPENSION EPAISSE DESTINEE A ETRE DISTRIBUEE**
 - [72] KAARTINEN, JANI, FI
 - [71] OUTOTEC (FINLAND) OY, FI
 - [85] 2017-06-02
 - [86] 2015-12-10 (PCT/FI2015/050869)
 - [87] (WO2016/092155)
 - [30] FI (20146087) 2014-12-12
- [21] 2,969,750
- [13] A1
- [51] Int.Cl. E21B 47/092 (2012.01) E21B 47/09 (2012.01) G01V 3/18 (2006.01)
 - [25] EN
 - [54] **RANGING TO AN ELECTROMAGNETIC TARGET WITHOUT TIMING**
 - [54] **DETECTION A DISTANCE D'UNE CIBLE ELECTROMAGNETIQUE SANS TEMPORISATION**
 - [72] BROOKS, ANDREW G., US
 - [72] DEPAVIA, LUIS E., US
 - [72] ILLFELDER, HERBERT M.J., US
 - [72] EGNER, JACOB, US
 - [71] SCHLUMBERGER CANADA LIMITED, CA
 - [85] 2017-06-02
 - [86] 2015-12-16 (PCT/US2015/065931)
 - [87] (WO2016/100419)
 - [30] US (62/092,320) 2014-12-16

[21] 2,969,751

[13] A1

- [51] Int.Cl. C08J 9/40 (2006.01) A61L 27/16 (2006.01) C08J 3/20 (2006.01) C08J 9/24 (2006.01)
- [25] EN
- [54] **ANTIOXIDANT-INFUSED ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE**
- [54] **PREPARATION D'UN POLYETHYLENE DE POIDS MOLECULAIRE TRES ELEVE IMPREGNE D'ANTIOXYDANT**
- [72] PLETCHER, DIRK, US
- [71] ZIMMER, INC., US
- [85] 2017-06-02
- [86] 2015-12-03 (PCT/US2015/063621)
- [87] (WO2016/090084)
- [30] US (62/086,936) 2014-12-03

[21] 2,969,760

[13] A1

- [51] Int.Cl. F16C 33/76 (2006.01) F16C 33/80 (2006.01) F16J 15/16 (2006.01) F16J 15/447 (2006.01)
- [25] EN
- [54] **BEARING ISOLATOR SEAL WITH ENHANCED ROTOR DRIVE COUPLING**
- [54] **JOINT D'ETANCHEITE D'ISOLATEUR DE PALIER A ACCOUPLEMENT D'ENTRAINEMENT DE ROTOR AMELIORE**
- [72] BENDER, ROBERT PAUL, US
- [72] FERRIS, JASON C., US
- [72] MEYER, WILLIAM ERIC, JR., US
- [72] BARKER, JOSEPH CHARLES, US
- [71] FLOWSERVE MANAGEMENT COMPANY, US
- [85] 2017-06-02
- [86] 2015-12-18 (PCT/US2015/066578)
- [87] (WO2016/100771)
- [30] US (62/093,856) 2014-12-18

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[21] **2,969,790**
[13] A1

[51] **Int.Cl. A61K 31/505 (2006.01) A61K 31/4184 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMBINATIONS OF HISTONE DEACETYLASE INHIBITORS AND BENDAMUSTINE**

[54] **COMBINAISONS D'INHIBITEURS D'HISTONE DEACETYLASE ET DE BENDAMUSTINE**

[72] COSENZA, MARIA, IT

[72] POZZI, SAMANTHA, IT

[71] UNIVERSITY OF MODENA AND REGGIO EMILIA, IT

[85] 2017-06-05

[86] 2015-12-04 (PCT/IB2015/002609)

[87] (WO2016/087950)

[30] US (62/087,868) 2014-12-05

[21] **2,969,800**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 21/00 (2006.01)**

[25] EN

[54] **MYOSTATIN OR ACTIVIN ANTAGONISTS FOR THE TREATMENT OF SARCOPENIA**

[54] **ANTAGONISTES DE LA MYOSTATINE OU DE L'ACTIVINE UTILISABLES EN VUE DU TRAITEMENT DE LA SARCOPENIE**

[72] KORTEBEIN, PATRICK, US

[72] ROOKS, DANIEL, US

[72] KLICKSTEIN, LLOYD B., US

[72] ROUBENOFF, RONENN, US

[72] GLASS, DAVID, US

[72] TRIFILIEFF, ESTELLE, CH

[72] PAPANICOLAOU, DIMITRIS, US

[71] NOVARTIS AG, CH

[85] 2017-06-05

[86] 2015-12-04 (PCT/IB2015/059369)

[87] (WO2016/092439)

[30] US (62/088,802) 2014-12-08

[21] **2,969,813**
[13] A1

[51] **Int.Cl. F16G 11/00 (2006.01) A01G 17/04 (2006.01) F16B 7/22 (2006.01) F16M 13/02 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN OR RELATING TO CLAMPING DEVICES**

[54] **PERFECTIONNEMENTS APPORTES OU SE RAPPORTANT A DES DISPOSITIFS DE SERRAGE**

[72] CLARKE, NEIL, GB

[72] BUTTERWORTH, JOHN, GB

[71] GRIPPLE LIMITED, GB

[85] 2017-06-02

[86] 2015-12-17 (PCT/GB2015/000324)

[87] (WO2016/102907)

[30] GB (1423161.7) 2014-12-23

[30] GB (1423235.9) 2014-12-24

[30] GB (1502897.0) 2015-02-20

[30] GB (1522204.5) 2015-12-16

[21] **2,969,817**
[13] A1

[51] **Int.Cl. B60N 2/48 (2006.01)**

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[54] **HEADREST WITH ADJUSTABLE SIDE ELEMENTS**

[54] **APPUIE-TETE DOTE D'ELEMENTS LATERAUX REGLABLES**

[72] LESSARD, DAVID, CA

[71] BOMBARDIER INC., CA

[85] 2017-06-05

[86] 2015-12-04 (PCT/IB2015/059372)

[87] (WO2016/092440)

[30] US (62/091,133) 2014-12-12

[21] **2,969,852**
[13] A1

[51] **Int.Cl. B62B 1/00 (2006.01) A41F 9/00 (2006.01) A45F 3/14 (2006.01) B62B 5/00 (2006.01) B62B 5/06 (2006.01) B62B 11/00 (2006.01)**

[25] EN

[54] **HARNESS AND PULLING ASSEMBLY**

[54] **HARNAIS ET ENSEMBLE DE TRACTION**

[72] JOHNSON, JERRY RICHMOND, CA

[71] NEW WEST ANALYTICS CORPORATION, CA

[85] 2017-06-05

[86] 2015-12-04 (PCT/US2015/064077)

[87] (WO2016/090298)

[30] US (62/087,853) 2014-12-05

[21] **2,969,914**
[13] A1

[51] **Int.Cl. E21B 23/08 (2006.01) E21B 43/12 (2006.01)**

[25] EN

[54] **HYDRAULICALLY ASSISTED ESP DEPLOYMENT SYSTEM**

[54] **SYSTEME DE DEPLOIEMENT DE POMPE ELECTRIQUE SUBMERSIBLE A ASSISTANCE HYDRAULIQUE**

[72] LASTRA, RAFAEL ADOLFO, SA

[72] SAEED, ABUBAKER, SA

[71] SAUDI ARABIAN OIL COMPANY, SA

[85] 2017-06-06

[86] 2015-12-31 (PCT/US2015/068257)

[87] (WO2016/109785)

[30] US (62/099,253) 2015-01-02

[21] **2,970,152**
[13] A1

[51] **Int.Cl. B26B 21/40 (2006.01)**

[25] EN

[54] **RAZOR CARTRIDGE GUARD STRUCTURE**

[54] **STRUCTURE DE PROTECTION DE CARTOUCHE DE RASOIR**

[72] EAGLETON, CHRISTOPHER RAYMOND, GB

[72] HAWES, CHRISTOPHER MARTIN, GB

[71] THE GILLETTE COMPANY LLC, US

[85] 2017-06-07

[86] 2015-12-01 (PCT/US2015/063079)

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[30] US (62/088,934) 2014-12-08

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[13] A1
[51] **Int.Cl. E21B 10/62 (2006.01) E21B 10/42 (2006.01) E21B 10/43 (2006.01)**
[25] EN
[54] **EARTH-BORING TOOLS WITH PRECISE CUTTER POCKET LOCATION AND ORIENTATION AND RELATED METHODS**
[54] **OUTILS DE FORAGE A POSITIONNEMENT ET ORIENTATION PRECISE DE POCHE DE DISPOSITIF DE COUPE ET PROCEDES ASSOCIES**
[72] SULLIVAN, ERIC C., US
[72] EVANS, KENNETH R., US
[72] GIBBS, KENNETH A., US
[72] MASSEY, ALAN J., US
[72] OXFORD, JAMES ANDY, US
[71] BAKER HUGHES INCORPORATED, US
[85] 2017-06-08
[86] 2015-12-09 (PCT/US2015/064603)
[87] (WO2016/094468)
[30] US (14/564,415) 2014-12-09

[21] **2,970,531**
[13] A1
[51] **Int.Cl. H04B 7/155 (2006.01)**
[25] EN
[54] **OUTDOOR DIGITAL MODULATOR SYSTEM FOR USE WITH A LINEAR RADIO, AND A METHOD THEREOF**
[54] **SYSTEME DE MODULATEUR NUMERIQUE EXTERIEUR A UTILISER AVEC UNE RADIO LINEAIRE, ET PROCEDE ASSOCIE**
[72] JACKSON, THOMAS, US
[72] EAPEN, GEORGE, US
[72] LACASSE, PAUL, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2017-06-09
[86] 2015-12-29 (PCT/US2015/067772)
[87] (WO2016/109472)
[30] US (14/588,124) 2014-12-31

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[13] A1
[51] **Int.Cl. G07C 9/00 (2006.01) E05B 47/00 (2006.01) G08B 13/08 (2006.01) G08B 25/14 (2006.01)**
[25] EN
[54] **SMART DOOR LOCK**
[54] **SERRURE DE PORTE INTELLIGENTE**
[72] EYRING, MATTHEW J., US
[72] WARREN, JEREMY B., US
[72] NYE, JAMES E., US
[72] FLINT, JASON C., US
[72] BEAGLEY, JAMES, US
[72] DAY, WALLACE, E., US
[72] HARRIS, CHRISTOPHER L., US
[72] VEGA, JONPAUL, US
[71] VIVINT, INC., US
[85] 2017-06-09
[86] 2015-12-22 (PCT/US2015/067251)
[87] (WO2016/106265)
[30] US (62/096,449) 2014-12-23
[30] US (62/143,203) 2015-04-05
[30] US (62/143,205) 2015-04-05

[21] **2,970,946**
[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01)**
[25] EN
[54] **ASSURANCE OF IDENTITY INFORMATION**
[54] **INFORMATION D'ASSURANCE D'IDENTITE**
[72] KARANTZIS, NICKOLAS JOHN, AU
[71] ISIGNTHIS LTD, VG
[85] 2017-06-15
[86] 2015-12-17 (PCT/AU2015/050804)
[87] (WO2016/094954)
[30] AU (2014905116) 2014-12-17

[21] **2,970,956**
[13] A1
[51] **Int.Cl. C07D 213/61 (2006.01) A61K 31/167 (2006.01) A61K 31/4418 (2006.01) A61K 31/495 (2006.01) A61P 35/00 (2006.01) C07C 233/11 (2006.01) C07C 233/29 (2006.01) C07C 237/20 (2006.01) C07D 213/56 (2006.01) C07D 215/14 (2006.01) C07D 239/26 (2006.01) C07D 239/34 (2006.01)**
[25] EN
[54] **ANTI-CANCER COMPOUNDS**
[54] **COMPOSES ANTI-CANCEREUX**
[72] MUNOZ, LENKA, AU
[72] GURGIS, FADI MAGED SHOKRY, AU
[72] AKERFELDT, MIA, AU
[72] KASSIOU, MICHAEL, AU
[71] THE UNIVERSITY OF SYDNEY, AU
[85] 2017-06-15
[86] 2016-01-29 (PCT/AU2016/050044)
[87] (WO2016/119017)
[30] AU (2015900287) 2015-01-30
[30] AU (2015903380) 2015-08-20

[21] **2,970,964**
[13] A1
[51] **Int.Cl. F16B 1/00 (2006.01) F16B 5/00 (2006.01) F16B 11/00 (2006.01)**
[25] EN
[54] **STRUCTURAL ASSEMBLY AND METHOD**
[54] **ENSEMBLE STRUCTUREL ET PROCEDE**
[72] SADR, CHANGIZE, CA
[71] SADR, CHANGIZE, CA
[85] 2017-06-15
[86] 2015-04-15 (PCT/CA2015/000246)
[87] (WO2015/157846)
[30] US (61/979,702) 2014-04-15

[21] **2,971,001**
[13] A1
[51] **Int.Cl. A61B 17/70 (2006.01) A61B 17/82 (2006.01) A61B 17/84 (2006.01)**
[25] FR
[54] **DEVICE FOR ATTACHING A FLAT BAND ON A BONE PART**
[54] **DISPOSITIF DE FIXATION D'UNE BANDE PLATE SUR UNE PARTIE OSSEUSE**
[72] PASQUET, DENIS, FR
[72] LE COUEDIC, REGIS, FR
[71] IMPLANET, FR
[85] 2017-06-14
[86] 2016-01-19 (PCT/FR2016/050096)
[87] (WO2016/116692)
[30] FR (1550441) 2015-01-20

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[21] **2,971,004**
[13] A1

[51] **Int.Cl. A61B 17/32 (2006.01)**
[25] EN
[54] **SURGICAL DEVICE WITH INCORPORATED TISSUE EXTRACTION**
[54] **DISPOSITIF CHIRURGICAL AVEC SYSTEME D'EXTRACTION TISSULAIRE INCORPORE**
[72] BROWN, ASHLEE MAE, US
[72] INAMDAR, TEJAS SATESH, US
[72] HEIL, BRADLEY ROBERT, US
[72] DATTA, SUBHIRANGSHU, US
[72] VAN HILL, JEREMY ALAN, US
[72] JAMAIS, SYLVAIN BRUNO, GB
[72] DINNAGE, MARTIN JAMES, GB
[72] HENDERSON, DEREK WILLIAM, GB
[71] COVIDIEN LP, US
[85] 2017-06-14
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[87] (WO2016/100522)
[30] US (62/092,698) 2014-12-16
[30] US (62/092,686) 2014-12-16

[21] **2,971,005**
[13] A1

[51] **Int.Cl. A61B 34/10 (2016.01) A61F 2/28 (2006.01) A61B 6/03 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING AN AUXILIARY DEVICE SUITABLE FOR THE MANUFACTURE OF A PATIENT CUSTOMIZED IMPLANT**
[54] **PROCEDE DE FABRICATION DE DISPOSITIF AUXILIAIRE APPROPRIE POUR LA FABRICATION D'IMPLANT PERSONNALISE DE PATIENT**
[72] KAMER, LUKAS, CH
[72] EGLIN, DAVID, CH
[71] AO TECHNOLOGY AG, CH
[85] 2017-06-14
[86] 2015-01-12 (PCT/CH2015/000001)
[87] (WO2016/112469)

[21] **2,971,010**
[13] A1

[51] **Int.Cl. F41H 5/013 (2006.01) F16B 5/10 (2006.01) F16B 37/08 (2006.01) F41H 5/02 (2006.01)**
[25] EN
[54] **ARMOUR**
[54] **BLINDAGE**
[72] PARK, NICHOLAS, GB
[72] JENKINS, SIMON ANTHONY, GB
[72] WESCOTT, ANDREW DAVID, GB
[72] WATSON, ELENA MAEVE, GB
[71] BAE SYSTEMS PLC, GB
[85] 2017-06-15
[86] 2015-12-04 (PCT/GB2015/053724)
[87] (WO2016/102921)
[30] GB (1423081.7) 2014-12-23

[21] **2,971,076**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **DEVICE FOR APPARATUS FOR HEATING SMOKABLE MATERIAL**
[54] **DISPOSITIF POUR UN APPAREIL DE CHAUFFAGE DE SUBSTANCE A FUMER**
[72] LITTEN, NEIL, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2017-06-14
[86] 2015-12-18 (PCT/EP2015/080589)
[87] (WO2016/107765)
[30] GB (1423314.2) 2014-12-29

[21] **2,971,081**
[13] A1

[51] **Int.Cl. B62K 25/00 (2006.01) B62K 25/28 (2006.01)**
[25] EN
[54] **A SUSPENSION SYSTEM FOR VEHICLES WITH AT LEAST TWO WHEELS**
[54] **SYSTEME DE SUSPENSION POUR VEHICULES POURVUS D'AU MOINS DEUX ROUES**
[72] PISA CANYELLES, ROGER, ES
[71] PISA CANYELLES, ROGER, ES
[85] 2017-06-14
[86] 2015-12-03 (PCT/ES2015/070875)
[87] (WO2016/097433)
[30] ES (P 201431847) 2014-12-16

[21] **2,971,095**
[13] A1

[51] **Int.Cl. A61B 5/0488 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS OF MONITORING A PATIENT FOR MOTOR MANIFESTATIONS RELATED TO SEIZURE ACTIVITY**
[54] **PROCEDE ET APPAREIL DE SURVEILLANCE D'UN PATIENT EN VUE DE MANIFESTATIONS MOTRICES COMPRENANT UNE ACTIVITE EPILEPTIQUE**
[72] GIROUARD, MICHAEL R., US
[71] BRAIN SENTINEL, INC., US
[85] 2017-06-14
[86] 2015-12-23 (PCT/US2015/000475)
[87] (WO2016/105571)
[30] US (62/096,331) 2014-12-23
[30] US (62/149,434) 2015-04-17
[30] US (14/920,665) 2015-10-22

[21] **2,971,116**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **CONTAINERS FOR AEROSOL-GENERATING DEVICES**
[54] **RECIPIENTS POUR DISPOSITIFS DE GENERATION D'AEROSOL**
[72] BUEHLER, FREDERIC ULYSSE, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2017-06-15
[86] 2016-02-25 (PCT/EP2016/053940)
[87] (WO2016/135224)
[30] EP (15156713.8) 2015-02-26

[21] **2,971,181**
[13] A1

[51] **Int.Cl. B62D 55/21 (2006.01) B62D 55/20 (2006.01) B62D 55/26 (2006.01) B62D 55/275 (2006.01) B62D 55/28 (2006.01)**
[25] EN
[54] **REVERSIBLE TRACK LINK SYSTEM**
[54] **SYSTEME DE MAILLONS DE CHENILLES REVERSIBLES**
[72] OERTLEY, THOMAS E., US
[71] CATERPILLAR INC., US
[85] 2017-06-15
[86] 2015-12-14 (PCT/US2015/065448)
[87] (WO2016/105987)
[30] US (62/095,484) 2014-12-22
[30] US (14/937,462) 2015-11-10

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[13] A1
[51] **Int.Cl. A61B 5/103 (2006.01) A61B 5/107 (2006.01) A61B 5/11 (2006.01) A61B 6/00 (2006.01)**
[25] EN
[54] **METHODS FOR DETERMINING SPINE INSTABILITY AND FOR ELIMINATING THE IMPACT OF PATIENT EFFORT ON STABILITY DETERMINATIONS**
[54] **PROCEDES DE DETERMINATION DE L'INSTABILITE DE LA COLONNE VERTEBRALE ET D'ELIMINATION DE L'IMPACT DE L'EFFORT DU PATIENT SUR LES DETERMINATIONS DE STABILITE**
[72] HIPPI, JOHN A., US
[72] WHARTON, NICHOLAS, US
[71] MEDICAL METRICS, INC., US
[85] 2017-06-15
[86] 2015-12-16 (PCT/US2015/065972)
[87] (WO2016/106034)
[30] US (14/579,563) 2014-12-22

[21] **2,971,209**
[13] A1
[51] **Int.Cl. F21V 21/30 (2006.01) F21S 8/02 (2006.01) F21V 17/06 (2006.01) F21V 21/04 (2006.01) F21V 29/74 (2015.01)**
[25] EN
[54] **ADJUSTABLE AND/OR RECESSED LIGHT FIXTURES AND RELATED COMPONENTS AND METHODS**
[54] **APPAREILS D'ECLAIRAGE REGLABLES ET/OU ENCASTRES, ET COMPOSANTS ET PROCEDES APPARENTES**
[72] MATHEWS, BEN, US
[72] BELL, SCOTT, US
[71] LUCIFER LIGHTING COMPANY, US
[85] 2017-06-15
[86] 2015-12-16 (PCT/US2015/066083)
[87] (WO2016/100508)
[30] US (62/092,804) 2014-12-16

[21] **2,971,243**
[13] A1
[51] **Int.Cl. F41J 9/22 (2006.01) F41J 9/20 (2006.01)**
[25] FR
[54] **MANUAL LAUNCHER WITH REMOTELY SITUATED CONTROL**
[54] **LANCEUR MANUEL A COMMANDE DEPORTEE**
[72] LAPORTE, JEAN-MICHEL, FR
[72] FOUQUES, JEAN-MARC, FR
[71] LAPORTE HOLDING, FR
[85] 2017-06-16
[86] 2015-12-14 (PCT/EP2015/079589)
[87] (WO2016/096723)
[30] FR (14 62949) 2014-12-19

[21] **2,971,300**
[13] A1
[51] **Int.Cl. A01L 1/00 (2006.01) A01L 3/00 (2006.01) A01L 5/00 (2006.01) A01L 11/00 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING A HORSESHOE, AND HORSESHOE**
[54] **PROCEDE DE FABRICATION D'UN FER A CHEVAL ET FER A CHEVAL**
[72] ROORYCK, THIHAUT, FR
[72] ROORYCK, MAXIME, FR
[71] VALUE FEET, FR
[85] 2017-06-16
[86] 2015-12-24 (PCT/FR2015/053752)
[87] (WO2016/116676)
[30] FR (15 50442) 2015-01-20
[30] FR (15 60448) 2015-10-30

[21] **2,971,348**
[13] A1
[51] **Int.Cl. A01L 11/00 (2006.01) A01L 1/00 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING A HORSESHOE**
[54] **PROCEDE DE FABRICATION D'UN FER A CHEVAL**
[72] ROORYCK, THIHAUT, FR
[72] ROORYCK, MAXIME, FR
[71] VALUE FEET, FR
[85] 2017-06-16
[86] 2015-12-24 (PCT/FR2015/053753)
[87] (WO2016/116677)
[30] FR (1550442) 2015-01-20

[21] **2,971,367**
[13] A1
[51] **Int.Cl. B65G 47/14 (2006.01) B65G 47/256 (2006.01)**
[25] FR
[54] **DEVICE AND METHOD FOR THE RELIABLE DELIVERY OF SHAPED STOPPER ELEMENTS**
[54] **DISPOSITIF ET METHODE DE FOURNITURE FIABLE D'ELEMENTS DE BOUCHAGE CONFORMES**
[72] ROTH, EMMANUEL, FR
[71] GEBO PACKAGING SOLUTIONS FRANCE, FR
[85] 2017-06-16
[86] 2014-12-30 (PCT/EP2014/079482)
[87] (WO2016/107656)

[21] **2,971,522**
[13] A1
[51] **Int.Cl. A01G 7/04 (2006.01) A01G 9/20 (2006.01) A01G 9/26 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GROWTH STATUS DETERMINATION OF A PLANT**
[54] **PROCEDE ET SYSTEME DE DETERMINATION D'ETAT DE CROISSANCE D'UNE PLANTE**
[72] CARSTENSEN, ANNA-MARIA, SE
[72] WIK, TORSTEN, SE
[71] HELIOSPECTRA AB, SE
[85] 2017-06-19
[86] 2016-01-14 (PCT/EP2016/050622)
[87] (WO2016/113330)
[30] EP (15151159.9) 2015-01-14

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[13] A1

[51] **Int.Cl. B65G 15/60 (2006.01) B65G 41/00 (2006.01) E21F 13/02 (2006.01) B65G 15/08 (2006.01)**

[25] EN

[54] **TRANSPORT UNIT, MATERIAL TRANSFER STRUCTURE, MATERIAL TRANSFER UNIT, MOBILE HAULAGE ARRANGEMENT METHOD**

[54] **UNITE DE TRANSPORT, STRUCTURE DE TRANSFERT DE MATERIAU, UNITE DE TRANSFERT DE MATERIAU, PROCEDE D'AGENCEMENT DE ROULAGE MOBILE**

[72] DAMPFHOFFER, STEFAN, SE

[72] RIEGER, HUBERT, SE

[71] SANDVIK INTELLECTUAL PROPERTY AB, SE

[85] 2017-06-20

[86] 2015-02-16 (PCT/EP2015/053226)

[87] (WO2016/131468)

[21] **2,971,656**
[13] A1

[51] **Int.Cl. B62K 15/00 (2006.01) A63C 17/01 (2006.01) B62K 3/00 (2006.01)**

[25] FR

[54] **VEHICULE DE TYPE TROTTELETTE REPLIABLE**

[54] **COLLAPSIBLE KICK-SCOOTER VEHICLE**

[72] GROLLEAU, FRANCK, FR

[71] MICRO MOBILITY SYSTEMS AG, CH

[85] 2017-06-19

[86] 2015-12-15 (PCT/FR2015/053509)

[87] (WO2016/097580)

[30] FR (1402934) 2014-12-19

[21] **2,971,660**
[13] A1

[51] **Int.Cl. B65G 41/00 (2006.01) B65G 15/60 (2006.01) E21F 13/02 (2006.01) B65G 15/08 (2006.01)**

[25] EN

[54] **SUPPORT STRUCTURE AND METHOD FOR SUPPORTING AN ENCLOSED BELT CONVEYOR**

[54] **STRUCTURE DE SUPPORT ET PROCEDE DE SUPPORT D'UN CONVOYEUR A COURROIE FERME**

[72] RIEGER, HUBERT, AT

[72] DAMPFHOFFER, STEFAN, AT

[71] SANDVIK INTELLECTUAL PROPERTY AB, SE

[85] 2017-06-20

[86] 2015-02-16 (PCT/EP2015/053227)

[87] (WO2016/131469)

[21] **2,971,663**
[13] A1

[51] **Int.Cl. B65G 15/60 (2006.01) B65G 15/08 (2006.01) B65G 23/00 (2006.01) B65G 41/00 (2006.01) E21F 13/02 (2006.01)**

[25] EN

[54] **DRIVE ARRANGEMENT FOR BELT, MOBILE HAULAGE ARRANGEMENT, AND METHOD**

[54] **SYSTEME D'ENTRAINEMENT DE COURROIE, SYSTEME DE TRANSPORT MOBILE ET PROCEDE**

[72] RIEGER, HUBERT, AT

[72] DAMPFHOFFER, STEFAN, AT

[71] SANDVIK INTELLECTUAL PROPERTY AB, SE

[85] 2017-06-20

[86] 2015-02-16 (PCT/EP2015/053230)

[87] (WO2016/131470)

[21] **2,971,994**
[13] A1

[51] **Int.Cl. B65B 11/00 (2006.01) B65B 9/02 (2006.01) B65B 13/16 (2006.01) B65B 13/32 (2006.01) B65B 27/08 (2006.01)**

[25] EN

[54] **WRAPPING GROUP AND WRAPPING METHOD FOR WRAPPING PRODUCTS, IN PARTICULAR EDITORIAL PRODUCTS, IN CONTAINMENT BANDS**

[54] **GROUPE D'EMBALLAGE ET PROCEDE D'EMBALLAGE POUR EMBALLER DES PRODUITS, EN PARTICULIER DES PRODUITS D'EDITION, DANS DES BANDES DE CONFINEMENT**

[72] AVANZI, MARCO, IT

[72] MANZINI, GIANNI, IT

[71] SITMA MACHINERY S.P.A., IT

[85] 2017-06-22

[86] 2016-02-23 (PCT/IB2016/050973)

[87] (WO2016/135628)

[30] IT (MI2015A000285) 2015-02-25

[21] **2,972,010**
[13] A1

[51] **Int.Cl. A01J 5/013 (2006.01) A01J 5/04 (2006.01)**

[25] EN

[54] **A METHOD FOR SAMPLING OF MILK IN A MILKING MACHINE AND A MILKING MACHINE**

[54] **PROCEDE D'ECHANTILLONNAGE DE LAIT DANS UNE MACHINE A TRAIRE ET MACHINE A TRAIRE**

[72] GUDMUNDSSON, MATS, SE

[72] JOHANSSON, THOMAS, SE

[72] MAZERIS, FERNANDO, SE

[71] DELAVAL HOLDING AB, SE

[85] 2017-06-22

[86] 2015-12-15 (PCT/SE2015/051347)

[87] (WO2016/108747)

[30] SE (1451667-8) 2014-12-30

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[13] A1
[51] **Int.Cl. G06K 19/07 (2006.01) G06Q 20/34 (2012.01) G06K 7/08 (2006.01) G06K 7/10 (2006.01)**
[25] EN
[54] **AN ENABLING CARD AND METHOD AND SYSTEM USING THE ENABLING CARD IN A POS**
[54] **CARTE D'ACTIVATION ET PROCEDE ET SYSTEME UTILISANT LA CARTE D'ACTIVATION DANS UN POS**
[72] ANDRIANI, ALESSANDRO, CA
[72] COVELLO, LEONARDO, CA
[72] CRUDO, MARIO, CA
[72] SILCOFF, BRUCE, CA
[72] SILVER, JONATHAN, CA
[71] DASHPASS INC., CA
[85] 2017-03-17
[86] 2015-09-17 (PCT/CA2015/000492)
[87] (WO2016/041055)
[30] CA (2,863,937) 2014-09-17
[30] US (14/489,006) 2014-09-17

[21] **2,972,080**
[13] A1
[51] **Int.Cl. C07F 15/02 (2006.01)**
[25] EN
[54] **FUNCTIONALIZED LINEAR LIGANDS AND COMPLEXES THEREOF**
[54] **LIGANDS LINEAIRES FONCTIONNALISES ET COMPLEXES DE CEUX-CI**
[72] BUTLIN, NATHANIEL G., US
[72] MAGDA, DARREN, US
[72] XU, JIDE, US
[71] LUMIPHORE, INC., US
[85] 2017-06-22
[86] 2015-12-21 (PCT/US2015/067170)
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[30] US (62/095,617) 2014-12-22

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[25] EN
[54] **METHOD FOR INDOOR AIR ANALYSIS, AND SAMPLING ARRANGEMENT**
[54] **PROCEDE PERMETTANT UNE ANALYSE DE L'AIR INTERIEUR ET DISPOSITIF D'ECHANTILLONNAGE**
[72] AATTELA, ELISA, FI
[71] SISAILMATUTKIMUSPALVELUT ELISA AATTELA OY, FI
[85] 2017-06-23
[86] 2015-12-23 (PCT/FI2015/050942)
[87] (WO2016/107980)
[30] FI (20146159) 2014-12-30

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[13] A1
[51] **Int.Cl. A41C 3/00 (2006.01) A41C 3/12 (2006.01)**
[25] EN
[54] **BRASSIERE INCLUDING A SUPPORT EDGE STARTING UNDERNEATH THE CUP TO RISE TO THE REAR ATTACHMENT OF THE STRAP**
[54] **SOUTIEN-GORGE COMPRENANT UN BORD D'APPUI DEMARRANT EN DESSOUS DU BONNET POUR MONTER VERS LA FIXATION ARRIERE DE LA BRIDE**
[72] TURLAN-VAN DER HOEVEN, MANON, FR
[71] HANES OPERATIONS EUROPE SAS, FR
[85] 2017-06-23
[86] 2015-12-18 (PCT/IB2015/059798)
[87] (WO2016/103134)
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[51] **Int.Cl. A41C 3/00 (2006.01) A41C 3/12 (2006.01)**
[25] EN
[54] **BRASSIERE INCLUDING A FOAM SUPPORT FOR THE BREASTS**
[54] **SOUTIEN-GORGE COMPRENANT UN SUPPORT EN MOUSSE POUR LES SEINS**
[72] TURLAN-VAN DER HOEVEN, MANON, FR
[71] HANES OPERATIONS EUROPE SAS, FR
[85] 2017-06-23
[86] 2015-12-18 (PCT/IB2015/059800)
[87] (WO2016/103135)
[30] FR (14/63248) 2014-12-23

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[25] EN
[54] **BRASSIERE WITH REINFORCED SUPPORT**
[54] **SOUTIEN-GORGE A SUPPORT RENFORCE**
[72] TURLAN-VAN DER HOEVEN, MANON, FR
[71] HANES OPERATIONS EUROPE SAS, FR
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[25] EN

[54] **IMMOBILISATION ELEMENT AND ADDITIVE MANUFACTURING METHOD FOR MAKING SAME**

[54] **ELEMENT D'IMMOBILISATION ET PROCEDE DE FABRICATION D'ADDITIF POUR LE FABRIQUER**

[72] CUYPERS, STEVEN, BE
[72] BOGDANOV, BOGDAN, BE
[72] DE GRUYTERE, SIMON, BE
[71] ORFIT INDUSTRIES N.V., BE
[85] 2017-06-23
[86] 2015-12-23 (PCT/IB2015/059935)
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[54] **MODULAR LED LAMP STRUCTURE**

[54] **STRUCTURE DE LAMPE A DEL MODULAIRE**

[72] NANNI, MARIO, IT
[71] VIABIZZUNO S.R.L., IT
[85] 2017-06-23
[86] 2016-01-21 (PCT/IB2016/050290)
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[13] A1

[51] **Int.Cl. C08C 19/28 (2006.01) C08C 19/02 (2006.01) C08F 290/12 (2006.01) C09J 4/06 (2006.01) C09J 11/06 (2006.01) C09J 109/00 (2006.01)**

[25] EN

[54] **MODIFIED LIQUID DIENE RUBBER AND RESIN COMPOSITION CONTAINING MODIFIED LIQUID DIENE RUBBER**

[54] **CAOUTCHOUC DIENIQUE LIQUIDE MODIFIE, ET COMPOSITION DE RESINE CONTENANT LEDIT CAOUTCHOUC DIENIQUE LIQUIDE MODIFIE**

[72] MOTODA, SATOSHI, JP
[72] HIRATA, KEI, JP
[71] KURARAY CO., LTD., JP
[85] 2017-06-23
[86] 2015-12-22 (PCT/JP2015/085770)
[87] (WO2016/104473)
[30] JP (2014-262448) 2014-12-25
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[13] A1

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[25] EN

[54] **CELL DEATH-INDUCING AGENT, CELL GROWTH-INHIBITING AGENT, AND PHARMACEUTICAL COMPOSITION FOR TREATMENT OF DISEASE CAUSED BY ABNORMAL CELL GROWTH**

[54] **AGENT INDUCTEUR DE MORT CELLULAIRE, AGENT CYTOSTATIQUE, ET COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DE MALADIES PROVOQUEES PAR UNE CROISSANCE CELLULAIRE ANORMALE**

[72] TANAKA, HIROYUKI, JP
[72] MINOMI, KENJIROU, JP
[72] NIITSU, YOSHIRO, JP
[71] NITTO DENKO CORPORATION, JP
[85] 2017-06-23
[86] 2015-12-24 (PCT/JP2015/085991)
[87] (WO2016/104588)
[30] JP (2014-266198) 2014-12-26
[30] JP (2015-135494) 2015-07-06
[30] JP (2015-247725) 2015-12-18

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[13] A1

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[25] EN

[54] **AGENT FOR IMPROVING OCULAR SUBJECTIVE SYMPTOMS AND METHOD THEREOF**

[54] **AGENT ET AMELIORATION DES SYMPTOMES SUBJECTIFS OCULAIRES ET METHODE ASSOCIEE**

[72] YAMADA, MASAMICHI, JP
[72] SAKENAGA, CHIYO, JP
[72] ARAI, KEIICHIRO, JP
[71] SEIKAGAKU CORPORATION, JP
[85] 2017-06-23
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[30] JP (2014-263710) 2014-12-26

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- [51] **Int.Cl. D04H 1/425 (2012.01) D04H 1/492 (2012.01) A61F 13/15 (2006.01) A61F 13/49 (2006.01) A61F 13/511 (2006.01)**
- [25] EN
- [54] **FIBER ASSEMBLY AND LIQUID ABSORBENT SHEET-LIKE ARTICLE INCLUDING THE SAME AND METHOD OF MANUFACTURING FIBER ASSEMBLY**
- [54] **AGREGAT DE FIBRES, OBJET EN FORME DE FEUILLE ABSORBANT LES LIQUIDES LE COMPORTANT, ET PROCEDE DE FABRICATION D'AGREGAT DE FIBRES**
- [72] OCHIAI, TOORU, JP
- [72] ARAIDA, YASUROU, JP
- [72] KIYOOKA, SUMITO, JP
- [71] KURARAY KURAFLEX CO., LTD., JP
- [85] 2017-06-23
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- [30] JP (2014-267062) 2014-12-29

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[13] A1
- [51] **Int.Cl. F26B 3/06 (2006.01) C10B 57/10 (2006.01) F26B 25/00 (2006.01)**
- [25] EN
- [54] **DUST REDUCTION APPARATUS DEPENDING ON SUPPLY OF FALLING COAL IN COAL DRYING APPARATUS USING REHEAT STEAM**
- [54] **APPAREIL DE REDUCTION DE POUSSIERE DEPENDANT D'UNE ALIMENTATION DE CHARBON TOMBANT DANS UN APPAREIL DE SECHAGE DE CHARBON UTILISANT UNE VAPEUR DE RECHAUFFAGE**
- [72] KIM, SUNG KON, KR
- [71] HANKOOK TECHNOLOGY INC., KR
- [85] 2017-06-23
- [86] 2015-06-17 (PCT/KR2015/006148)
- [87] (WO2016/108360)
- [30] KR (10-2015-0000077) 2015-01-02
- [30] KR (10-2015-0000079) 2015-01-02
- [30] KR (10-2015-0000081) 2015-01-02
- [30] KR (10-2015-0000083) 2015-01-02
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[13] A1
- [51] **Int.Cl. C25D 1/04 (2006.01) C22C 38/00 (2006.01) C22C 38/18 (2006.01) C22C 38/40 (2006.01) C25D 1/20 (2006.01) C25D 3/20 (2006.01) C25D 3/56 (2006.01) C25D 7/06 (2006.01)**
- [25] EN
- [54] **FE-P-CR ALLOY THIN PLATE AND METHOD FOR MANUFACTURING SAME**
- [54] **PLAQUE MINCE EN ALLIAGE FE-P-CR ET SON PROCEDE DE FABRICATION**
- [72] KIM, DONGKYUN, KR
- [72] YANG, HONGSEOK, KR
- [71] POSCO, KR
- [85] 2017-06-23
- [86] 2015-12-02 (PCT/KR2015/013071)
- [87] (WO2016/104981)
- [30] KR (10-2014-0188842) 2014-12-24

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- [51] **Int.Cl. C12N 5/00 (2006.01) A61K 35/42 (2015.01) A61P 9/12 (2006.01) A61P 11/00 (2006.01) C12N 5/02 (2006.01)**
- [25] EN
- [54] **CELL CULTURE SUPERNATANT FLUID DERIVED FROM LUNG TISSUE**
- [54] **FLUIDE DE SURNAGEANT DE CULTURE DE CELLULES DERIVE DE TISSU PULMONAIRE**
- [72] HAGIHARA, MASAHIKO, JP
- [72] KASUYA, YOSHITOSHI, JP
- [72] TANAKA, KENSUKE, JP
- [72] FUJITA, TETSUO, JP
- [71] UBE INDUSTRIES, LTD., JP
- [71] NATIONAL UNIVERSITY CORPORATION CHIBA UNIVERSITY, JP
- [85] 2017-06-23
- [86] 2015-12-24 (PCT/JP2015/086063)
- [87] (WO2016/104627)
- [30] JP (2014-259827) 2014-12-24
- [30] JP (2014-259829) 2014-12-24

- [21] **2,972,227**
[13] A1
- [51] **Int.Cl. H04W 72/04 (2009.01) H04W 16/14 (2009.01) H04W 72/12 (2009.01) H04W 74/08 (2009.01)**
- [25] EN
- [54] **RADIO TERMINAL, RADIO STATION, AND METHOD PERFORMED THEREBY**
- [54] **TERMINAL SANS FIL, STATION SANS FIL, ET PROCEDE MIS EN ŒUVRE PAR CELUI-CI**
- [72] FUTAKI, HISASHI, JP
- [71] NEC CORPORATION, JP
- [85] 2017-06-23
- [86] 2015-07-13 (PCT/JP2015/003524)
- [87] (WO2016/103533)
- [30] JP (2014-262541) 2014-12-25

- [21] **2,972,228**
[13] A1
- [51] **Int.Cl. C22C 19/05 (2006.01) C22C 30/00 (2006.01) C22C 38/00 (2006.01) C22C 38/58 (2006.01) B22D 13/02 (2006.01) B22D 13/06 (2006.01) B22D 13/10 (2006.01)**
- [25] EN
- [54] **HEAT-RESISTANT TUBE HAVING ALUMINA BARRIER LAYER**
- [54] **TUYAU RESISTANT A LA CHALEUR COMPORTANT UNE COUCHE BARRIERE D'ALUMINE**
- [72] HASHIMOTO, KUNIHIDE, JP
- [71] KUBOTA CORPORATION, JP
- [85] 2017-06-23
- [86] 2015-12-21 (PCT/JP2015/085655)
- [87] (WO2016/104417)
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[13] A1

[51] **Int.Cl. A61B 17/02 (2006.01) A61B 90/00 (2016.01) A61B 1/32 (2006.01) A61M 13/00 (2006.01)**

[25] EN

[54] **WOUND RETRACTOR AND DIFFUSER**

[54] **ECARTEUR DE PLAIE ET DIFFUSEUR**

[72] IP, BERNARD TSZ LUN, NZ

[72] STREVEN, JOSEPH PATRICK WALTER, NZ

[72] FOGARIN, JESSICA RACHEL, NZ

[72] MCFEDRIES, JONATHAN STUART, NZ

[72] GORDON, JAMES ALEXANDER, NZ

[72] BLACKHURST, MICHAEL JOSEPH, NZ

[72] HARWOOD, JONATHAN DAVID, NZ

[72] GHALIB, ALI GHALIB ABDUL RAHMAN, NZ

[72] ROBERTSON, NATALIE MAY, NZ

[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

[85] 2017-06-23

[86] 2015-12-23 (PCT/NZ2015/050219)

[87] (WO2016/105214)

[30] US (62/096,469) 2014-12-23

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[13] A1

[51] **Int.Cl. A61K 31/497 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 401/14 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION COMPRISING BICYCLIC NITROGEN-CONTAINING AROMATIC HETEROCYCLIC AMIDE COMPOUND AS ACTIVE INGREDIENT**

[54] **COMPOSITION PHARMACEUTIQUE COMPORTANT COMME PRINCIPE ACTIF DES COMPOSES AMIDE HETEROCYCLIQUES AROMATIQUES BICYCLIQUES CONTENANT DE L'AZOTE**

[72] NAGASHIMA, TAKEYUKI, JP

[71] ASTELLAS PHARMA INC., JP

[85] 2017-06-30

[86] 2015-12-08 (PCT/JP2015/084456)

[87] (WO2016/093255)

[30] JP (2014-249349) 2014-12-09

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[30] JP (2014-249346) 2014-12-09

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[13] A1

[51] **Int.Cl. A61K 38/00 (2006.01) C07H 21/04 (2006.01) C07K 14/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS COMPRISING CH505 ENVELOPES, AND TRIMERS (EIGHT VALENT HIV-1 COMPOSITION AND METHODS)**

[54] **COMPOSITIONS COMPRENANT DES ENVELOPPES CH505, ET TRIMERES (COMPOSITION DU VIH-1 A HUIT VALENCES ET METHODES)**

[72] HAYNES, BARTON F., US

[72] LIAO, HUA-XIN, US

[72] KORBER, BETTE T., US

[72] HRABER, PETER T., US

[71] DUKE UNIVERSITY, US

[71] LOS ALAMOS NATIONAL SECURITY, LLC, US

[85] 2017-06-23

[86] 2015-12-23 (PCT/US2015/000222)

[87] (WO2016/105492)

[30] US (62/096,646) 2014-12-24

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[13] A1

[51] **Int.Cl. A61K 39/02 (2006.01) A61K 9/19 (2006.01) C12N 1/04 (2006.01) C12N 1/21 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01) C12N 15/70 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR GROWTH, STORAGE, AND USE OF BACTERIAL PREPARATIONS FOR WOUND AND SURFACE TREATMENTS**

[54] **PROCEDES ET COMPOSITIONS POUR LA CROISSANCE, LE STOCKAGE ET L'UTILISATION DE PREPARATIONS BACTERIENNES POUR LES TRAITEMENTS DE SURFACE ET DE PLAIE**

[72] DORSEY, CALEB WILLIAM, US

[72] SMITH, JOSHUA AARON, US

[72] WATT, STEVEN ROBERT, US

[71] CONJUGON, INC., US

[85] 2017-06-23

[86] 2015-12-23 (PCT/US2015/000246)

[87] (WO2016/105510)

[30] US (62/096,980) 2014-12-26

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[51] **Int.Cl. A61K 31/5383 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **INHIBITORS OF CYCLIN-DEPENDENT KINASE 7 (CDK7)**

[54] **INHIBITEURS DE LA KINASE CYCLINE-DEPENDANTE 7 (CDK7)**

[72] GRAY, NATHANIEL S., US

[72] LIANG, YANKI, US

[72] ZHANG, TINGHU, US

[72] KWIATKOWSKI, NICHOLAS PAUL, US

[71] DANA-FARBER CANCER INSTITUTE, INC., US

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[87] (WO2016/105528)

[30] US (62/096,040) 2014-12-23

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[13] A1

[51] **Int.Cl. H01L 27/14 (2006.01)**

[25] EN

[54] **THIN-FILM DEVICES AND FABRICATION**

[54] **DISPOSITIFS A COUCHES MINCES ET FABRICATION DE CEUX-CI**

[72] DIXIT, ABHISHEK ANANT, US

[72] MARTIN, TODD, US

[72] PRADHAN, ANSHU A., US

[72] STRONG, FABIAN, US

[72] ROZBICKI, ROBERT T., US

[71] VIEW, INC., US

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[86] 2015-12-24 (PCT/US2015/000411)

[87] (WO2016/105549)

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[13] A1
[51] Int.Cl. A21D 10/00 (2006.01)
[25] EN
[54] **SYSTEM FOR QUICKLY CONVERTING RAW CORN KERNELS INTO A MASA AND FINISHED PRODUCTS**
[54] **SYSTEME DE CONVERSION RAPIDE DE GRAINS DE MAIS BRUTS EN MASA ET PRODUITS FINIS**
[72] CARADIS, ANDREW ANTHONY, US
[72] GUERRERO, ARTURO LORENZANA, MX
[72] TOYOHARA, ERNESTO ISAM ARAO, MX
[72] SAUCEDO, MARIO LORENZANA, MX
[72] GRANADOS, SERGIO GONZALEZ, MX
[72] ANGULO, MIGUEL ANGEL GOMEZ, MX
[72] AVILA, JESUS ADOLFO SANDOVAL, MX
[71] HEAT AND CONTROL INC., US
[85] 2017-06-23
[86] 2015-12-24 (PCT/US2015/000443)
[87] (WO2016/105557)
[30] US (62/124,605) 2014-12-26

[21] 2,972,243
[13] A1
[51] Int.Cl. A63H 29/22 (2006.01)
[25] EN
[54] **PRESSURE EQUALIZATION STRUCTURE AND MOTOR IMPROVEMENT FOR FLUID-IMMERSED SELF-ROTATING DISPLAYS**
[54] **STRUCTURE D'EQUILIBRAGE DE PRESSION ET PERFECTIONNEMENT APORTE A UN MOTEUR POUR ECRANS AUTO-ROTATIFS IMMERGES DANS UN FLUIDE**
[72] FRENCH, WILLIAM W., US
[71] TURTLETECH DESIGN, INC., US
[85] 2017-06-23
[86] 2015-12-24 (PCT/US2015/000453)
[87] (WO2016/105561)
[30] US (62/096,983) 2014-12-26
[30] US (62/152,714) 2015-04-24

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[13] A1
[51] Int.Cl. E21B 21/08 (2006.01) E21B 47/00 (2012.01) G01V 1/40 (2006.01)
[25] EN
[54] **ULTRASOUND COLOR FLOW IMAGING FOR OIL FIELD APPLICATIONS**
[54] **IMAGERIE PAR ULTRASONS A CODAGE COULEUR DES FLUX POUR APPLICATIONS PETROLIERES**
[72] DOTSON, ADAM R., US
[72] JAMISON, DALE E., US
[72] MCDANIEL, CATO RUSSELL, US
[72] YE, XIANGNAN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-06-23
[86] 2015-02-27 (PCT/US2015/018135)
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[21] 2,972,249
[13] A1
[51] Int.Cl. C09K 8/02 (2006.01) E21B 43/22 (2006.01) E21B 43/27 (2006.01)
[25] EN
[54] **METALATE-BASED ADDITIVES FOR USE IN SUBTERRANEAN FORMATIONS**
[54] **ADDITIFS A BASE DE METALLATE DESTINES A ETRE UTILISES DANS DES FORMATIONS SOUTERRAINES**
[72] MCDANIEL, CATO, US
[72] ZHOU, HUI, US
[72] HARVEY, TIMOTHY N., US
[72] SHUMWAY, WILLIAM W., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-06-23
[86] 2015-03-17 (PCT/US2015/020953)
[87] (WO2016/148698)

[21] 2,972,250
[13] A1
[51] Int.Cl. B65D 47/24 (2006.01)
[25] EN
[54] **LIQUID DISPENSING CONTAINER WITH MULTI-POSITION VALE AND STRAW RECIPIENT DE DISTRIBUTION DE LIQUIDE DOTE D'UNE VALVE A POSITIONS MULTIPLES ET D'UNE PAILLE**
[72] MEYERS, DAVID O., US
[72] HIRST, NATHAN K., US
[71] RUNWAY BLUE, LLC, US
[85] 2017-06-23
[86] 2015-10-20 (PCT/US2015/056493)
[87] (WO2016/111736)
[30] US (14/592,267) 2015-01-08

[21] 2,972,251
[13] A1
[51] Int.Cl. G06Q 50/22 (2012.01)
[25] EN
[54] **SYSTEM AND METHOD FOR CYTOPATHOLOGICAL AND GENETIC DATA BASED TREATMENT PROTOCOL IDENTIFICATION AND TRACKING**
[54] **SYSTEME ET PROCEDE D'OBTENTION DE DONNEES CYTOPATHOLOGIQUES ET GENETIQUES SUR LA BASE D'UNE IDENTIFICATION ET D'UN SUIVI D'UN PROTOCOLE DE TRAITEMENT**
[72] STOPEK, JOSHUA B., US
[71] COVIDIEN LP, US
[85] 2017-06-23
[86] 2015-12-17 (PCT/US2015/066241)
[87] (WO2016/109224)
[30] US (62/097,690) 2014-12-30
[30] US (62/097,697) 2014-12-30
[30] US (62/097,713) 2014-12-30
[30] US (62/097,721) 2014-12-30
[30] US (14/926,335) 2015-10-29
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[13] A1

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[25] EN
[54] **EVACUATION STATION**
[54] **STATION D'EVACUATION**
[72] MORIN, RUSSELL WALTER, US
[72] BURSAL, FARUK HALIL, US
[72] BOESCHENSTEIN, HAROLD, US
[71] IROBOT CORPORATION, US
[85] 2017-06-23
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[87] (WO2016/105702)
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[54] **ARCHITECTURE TDLAS POUR LONGUEURS D'ONDE LARGEMENT ESPACEES**
[72] SAPPY, ANDREW D., US
[72] MASTERSON, BERNARD PATRICK, US
[71] ZOLO TECHNOLOGIES, INC., US
[85] 2017-06-23
[86] 2015-11-18 (PCT/US2015/061387)
[87] (WO2016/105704)
[30] US (62/096,426) 2014-12-23

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[25] EN
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[54] **N4-HYDROXYCYTIDINE, SES DERIVES ET UTILISATIONS ANTI-VIRALES**
[72] PAINTER, GEORGE R., US
[72] GUTHRIE, DAVID B., US
[72] BLUEMLING, GREGORY R., US
[72] NATCHIUS, MICHAEL G., US
[71] EMORY UNIVERSITY, US
[85] 2017-06-23
[86] 2015-12-16 (PCT/US2015/066144)
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[13] A1

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[25] EN
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[54] **AGENTS DE FLOCCULATION SELECTIFS DESTINES A L'ENRICHISSEMENT DE MINERAIS**
[72] MOORE, LUCAS, US
[72] YIN, XIHUI, US
[72] DURAND, JEAN ROBERT, US
[72] MOREIRA DA COSTA, MARCELO, BR
[71] KEMIRA OYJ, FI
[85] 2017-06-23
[86] 2015-12-18 (PCT/US2015/066718)
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[54] **ENTERPRISE TOLL-FREE CALL ROUTING**
[54] **ACHEMINEMENT D'APPELS D'ENTREPRISE SANS FRAIS**
[72] TSCHIRHART, DAVID ALLEN, US
[72] ROY, JOSEPH M., US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2017-06-23
[86] 2015-12-21 (PCT/US2015/066986)
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[54] **RNA AGENTS FOR GST-PI GENE MODULATION**
[54] **AGENTS A BASE D'ARN UTILISABLES EN VUE DE LA MODULATION DU GENE GST-PI**
[72] YING, WENBIN, US
[72] MINOMI, KENJIROU, JP
[72] HARBORTH, JENS, US
[72] TAKAHASHI, HIROKAZU, JP
[72] TERADA, ERIKA, JP
[72] ZHANG, JUN, US
[72] AHMADIAN, MOHAMMAD, US
[71] NITTO DENKO CORPORATION, JP
[85] 2017-06-23
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[30] JP (2014-266198) 2014-12-26
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[25] EN
[54] **THERAPEUTIC COMPOSITIONS AND METHODS FOR MALIGNANT TUMORS WITH RNAI MOLECULES TARGETED TO HSP47**
[54] **COMPOSITIONS THERAPEUTIQUES ET METHODES DESTINEES A TRAITER LES TUMEURS MALIGNES A L'AIDE DE MOLECULES D'ARNI CIBLANT HSP47 ET P21**
[72] YING, WENBIN, US
[72] YONEDA, AKIHIRO, JP
[72] TAMURA, YASUAKI, JP
[72] MINOMI, KENJIROU, JP
[72] MAJEI, BHARAT, US
[72] LIU, JIHUA, US
[71] NITTO DENKO CORPORATION, JP
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[87] (WO2016/106403)
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[54] METHODS AND COMPOSITIONS FOR TREATING MALIGNANT TUMORS ASSOCIATED WITH KRAS MUTATION

[54] METHODES ET COMPOSITIONS DESTINEES A TRAITER LES TUMEURS MALIGNES ASSOCIEES A UNE MUTATION DE KRAS

[72] YING, WENBIN, US

[72] MINOMI, KENJIROU, JP

[72] MAJETI, BHARAT, US

[72] WANG, LI, US

[72] LIU, JIHUA, US

[72] ADAMI, ROGER, US

[71] NITTO DENKO CORPORATION, JP

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[72] THERRIEN, PETER N., US

[71] HUBBELL INCORPORATED, US

[85] 2017-06-22

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[51] Int.Cl. G01N 29/34 (2006.01)

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[54] AUTOMATIC TRANSDUCER OPERATING PARAMETER SELECTION

[54] SELECTION DE PARAMETRE DE FONCTIONNEMENT DE TRANSDUCTEUR AUTOMATIQUE

[72] KANNAJOSYULA, HARAPRASAD, US

[72] BONDURANT, PHILLIP D., US

[71] Q12 ELEMENTS, LLC, US

[85] 2017-06-23

[86] 2016-01-13 (PCT/US2016/013285)

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[54] METHODS FOR TAGGING DNA-ENCODED LIBRARIES

[54] PROCEDES DE MARQUAGE DE BANQUES CODEES PAR DE L'ADN

[72] KEEFE, ANTHONY D., US

[72] LITOVCHICK, ALEXANDER, US

[72] CLARK, MATTHEW, US

[72] WAGNER, RICHARD W., US

[71] X-CHEM, INC., US

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[54] SYSTEME DE SUSPENSION DE CHARIOT

[72] TOFFLEMIRE, DAVID, US

[71] TOFCO INDUSTRIES, INC., US

[85] 2017-06-23

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[87] (WO2016/109574)

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[54] HIGH SECURITY LOCKING SYSTEM WHICH FORMS A DEVIATING PICKING PATH AND ASSOCIATED DEVIATED KEY

[54] SYSTEME DE VERROUILLAGE DE HAUTE SECURITE QUI FORME UN TRAJET DE CROCHETAGE DE DEVIATION ET CLE DEVIEE ASSOCIEE

[72] BOWLEY, RYAN THOMAS, CA

[72] BOWLEY, TYLER GEORGE, CA

[71] BOWLEY LOCK COMPANY INC., CA

[85] 2017-06-27

[86] 2015-09-25 (PCT/CA2015/050965)

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[54] PROCEDE D'EXTRUSION PAR PERCUSSION, OUTILLAGE ET PRODUIT

[72] PILON, BENJAMIN JOSEPH, CA

[72] GEORGIEV, GEORGI, CA

[72] PILON, BETTY JEAN, CA

[72] STATHOPOULOS, PETER, CA

[71] 1949467 ONTARIO INC., CA

[71] MONTEBELLO TECHNOLOGY SERVICES LTD., CA

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[54] **METHODS OF MAKING TRIACYLGLYCEROL POLYOLS FROM FRACTIONS OF METATHESIZED NATURAL OILS AND USES THEREOF**

[54] **PROCEDES DE FABRICATION DE POLYOLS DE TRIACYLGLYCEROL A PARTIR DE FRACTIONS D'HUILES NATURELLES AYANT SUBI UNE METATHESE ET LEURS UTILISATIONS**

[72] NARINE, SURESH, CA
[72] PILLAI, PRASANTH KUMAR SASIDHARAN, CA
[72] LI, SHAOJUN, CA
[72] BOUZIDI, LAZIZ, CA
[72] MAHDEVARI, ALI, CA
[71] TRENT UNIVERSITY, CA
[85] 2017-06-27
[86] 2016-01-25 (PCT/CA2016/050059)
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[25] EN

[54] **METHODS OF FRACTIONATING METATHESIZED TRIACYLGLYCEROL POLYOLS AND USES THEREOF**

[54] **PROCEDES DE FRACTIONNEMENT DE POLYOLS TRIACYLGLYCEROL AYANT SUBI UNE METATHESE ET UTILISATION DE CEUX-CI**

[72] NARINE, SURESH, CA
[72] PILLAI, PRASANTH KUMAR SASIDHARAN, CA
[72] LI, SHAOJUN, CA
[72] BOUZIDI, LAZIZ, CA
[72] MAHDEVARI, ALI, CA
[71] TRENT UNIVERSITY, CA
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[54] **LED FILAMENT AND LED FILAMENT LIGHT CONTAINING THE SAME**

[54] **FILAMENT DEL ET AMPOULE A FILAMENT DEL RENFERMANT LEDIT FILAMENT**

[72] YUAN, XINCHENG, CN
[72] KONG, YIPING, CN
[72] LIU, BOREN, CN
[71] SHANDONG PROSPEROUS STAR OPTOELECTRONICS CO., LTD., CN
[85] 2017-03-24
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[54] **A FUEL TO ELECTRIC REUSABLE CONVERSION KIT AND A METHOD OF CONVERTING AND REUSING THE CONVERSION KIT**

[54] **KIT DE CONVERSION D'UN MODE DE CARBURANT A UN MODE ELECTRIQUE REUTILISABLE ET PROCEDE DE CONVERSION ET DE REUTILISATION DU KIT DE CONVERSION**

[72] TA, DUY-AN, CA
[72] GIGUERE, NOEL, CA
[72] LANCIAULT, FRANCOIS-NICOLAS, CA
[71] SERVICES AUTOMOBILES GRANTUNED INC., CA
[85] 2017-06-27
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[54] **METHOD AND APPARATUS FOR CONSTRUCTING PUNCTURED POLAR CODE**

[54] **PROCEDE ET APPAREIL PERMETTANT D'ELABORER UN CODE POLAIRE POINCONNE**

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[72] LI, BIN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[87] (WO2015/180187)

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[54] **METHOD AND APPARATUS FOR ADJUSTING NETWORK MODE**
[54] **PROCEDE ET APPAREIL POUR LE REGLAGE D'UN MODE DE RESEAU**
[72] DUAN, YUN, CN
[72] YI, YANNI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-06-27
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[54] **NECROSIS INHIBITORS**
[54] **INHIBITEURS DE NECROSE**
[72] ZHANG, ZHIYUAN, CN
[72] WANG, XIAODONG, CN
[72] SU, YANING, CN
[72] RUAN, HANYING, CN
[72] REN, YAN, CN
[71] NATIONAL INSTITUTE OF BIOLOGICAL SCIENCES, BEIJING, CN
[85] 2017-06-27
[86] 2015-12-23 (PCT/CN2015/098385)
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[54] **ECCENTRIC LOADING ADJUSTING MECHANISM AND METHOD FOR PARALLEL SUSPENSION PLATFORM**
[54] **MECANISME ET PROCEDE DE REGLAGE DE CHARGEMENT EXCENTRIQUE POUR PLATEFORME DE SUSPENSION PARALLELE**
[72] ZHU, ZHENCAI, CN
[72] CAO, GUOHUA, CN
[72] WANG, NAIGE, CN
[72] YAN, LU, CN
[72] WEI, LEI, CN
[72] WANG, LEI, CN
[72] PENG, WEIHONG, CN
[72] LI, WEI, CN
[72] ZHOU, GONGBO, CN
[72] PENG, YUXING, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
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[54] **PROCEDE ET DISPOSITIF INFORMATISE POUR L'ENCLenchement D'UN ITINERAIRE FERROVIAIRE**
[72] VULDY, PAUL-LOUIS, FR
[72] ROCAGEL, GUY, FR
[71] INEO URBAN TRANSPORTATION SOLUTIONS, FR
[85] 2017-06-27
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[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61F 13/00 (2006.01) A61F 13/02 (2006.01)**
[25] EN
[54] **NEGATIVE PRESSURE WOUND THERAPY APPARATUS AND METHOD OF OPERATING THE APPARATUS**
[54] **APPAREIL DE TRAITEMENT DE BLESSURES PAR PRESSION NEGATIVE ET PROCEDE DE FONCTIONNEMENT DE L'APPAREIL**
[72] ASKEM, BEN ALAN, GB
[72] HUNT, ALLAN KENNETH FRAZER GRUGEON, GB
[71] SMITH & NEPHEW PLC, GB
[85] 2017-06-27
[86] 2015-12-21 (PCT/EP2015/080740)
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[30] US (62/097,273) 2014-12-29
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[21] **2,972,317**
[13] A1

[51] **Int.Cl. G01K 11/22 (2006.01)**
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[54] **SURFACE ACOUSTIC WAVE (SAW) BASED TEMPERATURE SENSING FOR ELECTRICAL CONDUCTOR**
[54] **DETECTION DE TEMPERATURE BASEE SUR DES ONDES ACOUSTIQUES DE SURFACE (OAS) POUR UN CONDUCTEUR ELECTRIQUE**
[72] YUAN, SHIUA, CN
[72] WEN, ZHIGUO, CN
[72] HUANG, ZHENG, CN
[72] YU, XUETAO, CN
[72] GUO, GAOFEI, CN
[72] ZHANG, MING, CN
[72] JOHNSON, JUSTIN M., US
[72] JESME, RONALD D., US
[72] KIM, JAEWON, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-06-27
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[54] **SYNTHETIC METHOD
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[72] JULIS, JENNIFER, DE

[72] BARTLETT, STUART, GB

[72] COLE-HAMILTON, DAVID JOHN, GB

[71] UNIVERSITY COURT OF THE UNIVERSITY OF ST ANDREWS, GB

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[13] A1

[51] **Int.Cl. H04N 19/30 (2014.01) H04N 19/105 (2014.01) H04N 19/187 (2014.01) H04N 19/70 (2014.01)**

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[54] **PREDICTION INTERCOUCHE DESTINEE AU DECODAGE ET CODAGE VIDEO ADAPTABLE**

[72] HANNUKSELA, MISKA MAITIAS, FI

[71] NOKIA TECHNOLOGIES OY, FI

[85] 2017-06-27

[86] 2015-12-29 (PCT/FI2015/060036)

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[54] **AIRCRAFT LANDING GEAR, AIRCRAFT CARRYING SUCH AND METHODS**

[54] **TRAIN D'ATTERRISSAGE D'AERONEF, AERONEF PORTANT UN TEL TRAIN D'ATTERRISSAGE, ET PROCEDES**

[72] VICKERS, PAUL., NZ

[71] VICKERS, PAUL., NZ

[85] 2017-06-27

[86] 2016-01-08 (PCT/NZ2016/050076)

[87] (WO2016/156994)

[30] NZ (703670) 2015-01-08

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[13] A1

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[25] EN

[54] **PERMANENT MAGNET DRIVE ON-LOAD TAP-CHANGING SWITCH**

[54] **COMMUTATEUR DE CHANGEMENT DE PLOTS EN CHARGE A ENTRAINEMENT PAR AIMANT PERMANENT**

[72] DIAO, JUNQI, CN

[71] DIAO, JUNQI, CN

[85] 2017-06-27

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[30] CN (201410831993.7) 2014-12-29

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[13] A1

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[25] EN

[54] **HUMANIZED ALPHA-ENOLASE SPECIFIC ANTIBODIES AND METHODS OF USES IN CANCER THERAPY**

[54] **ANTICORPS HUMANISES SPECIFIQUES DE L'ALPHA-ENOLASE ET METHODES D'UTILISATION EN THERAPIE ANTICANCEREUSE**

[72] TSAI, SHIH-CHONG, TW

[72] YUAN, TA-TUNG, TW

[72] TSENG, SHIH-CHIH, TW

[72] LAI, JIANN-SHIUN, TW

[72] WU, CHIA-CHENG, TW

[72] HUANG, CHAO-YANG, TW

[72] TSAI, YA-WEI, TW

[72] LOK, YING-YUNG, TW

[72] WU, CHUNG-HSIUN, TW

[72] SHIH, NENG-YAO, TW

[72] LIU, KO-JIUNN, TW

[72] CHEN, LI-TZONG, TW

[71] DEVELOPMENT CENTER FOR BIOTECHNOLOGY, TW

[71] DCB-USA LLC, US

[71] NATIONAL HEALTH RESEARCH INSTITUTES, TW

[85] 2017-06-27

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[21] **2,972,342**
[13] A1

[51] **Int.Cl. A01N 43/40 (2006.01) A01N 25/02 (2006.01)**

[25] EN

[54] **NITRIFICATION INHIBITOR COMPOSITIONS AND METHODS FOR PREPARING THE SAME**

[54] **COMPOSITIONS INHIBITRICES DE NITRIFICATION ET PROCEDES DE PREPARATION DE CELLES-CI**

[72] DAVE, HITESHKUMAR, US

[72] HAYS, MELISSA, US

[72] LIU, LEL, US

[72] TANK, HOLGER, CN

[71] DOW AGROSCIENCES LLC, US

[85] 2017-06-27

[86] 2015-12-23 (PCT/US2015/000207)

[87] (WO2016/108927)

[30] US (62/098,961) 2014-12-31

[21] **2,972,343**
[13] A1

[51] **Int.Cl. C05C 11/00 (2006.01) C05G 3/02 (2006.01) C05G 3/08 (2006.01)**

[25] EN

[54] **MICROENCAPSULATED NITRIFICATION INHIBITOR COMPOSITIONS**

[54] **COMPOSITIONS D'INHIBITEUR DE NITRIFICATION MICRO-ENCAPSULEES**

[72] DAVE, HITESHKUMAR, US

[72] LIU, LEL, US

[72] BOUCHER, RAYMOND E. JR., US

[72] POWELS, GREG, US

[72] WILLIAMS, ALEX, US

[72] TUDYK, MIRIAM, US

[72] LOGAN, MARTIN C., US

[72] JAN, MINI, US

[71] DOW AGROSCIENCES LLC, US

[85] 2017-06-27

[86] 2015-12-23 (PCT/US2015/000217)

[87] (WO2016/108928)

[30] US (62/098,974) 2014-12-31

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[13] A1
[51] **Int.Cl. A01N 59/04 (2006.01) C05G 1/00 (2006.01)**
[25] EN
[54] **MICROENCAPSULATED NITRIFICATION INHIBITOR COMPOSITIONS**
[54] **COMPOSITIONS D'INHIBITEUR DE NITRIFICATION MICRO-ENCAPSULEES**
[72] DAVE, HITESHKUMAR, US
[72] LIU, LEI, US
[72] BOUCHIER, JR. RAYMOND E., US
[72] POWELS, GREG, US
[72] WILLIAMS, ALEX, US
[72] TUDYK, MIRIAM, US
[71] DOW AGROSCIENCES LLC, US
[85] 2017-06-27
[86] 2015-12-23 (PCT/US2015/000218)
[87] (WO2016/108929)
[30] US (62/098,971) 2014-12-31

[21] **2,972,346**
[13] A1
[51] **Int.Cl. H05B 37/02 (2006.01) F21S 6/00 (2006.01)**
[25] EN
[54] **ILLUMINATION DEVICE**
[54] **DISPOSITIF D'ECLAIRAGE**
[72] SATO, TOMOKI, JP
[71] BALMUDA INC., JP
[85] 2017-06-27
[86] 2016-01-20 (PCT/JP2016/051557)
[87] (WO2016/117593)
[30] JP (2015-008841) 2015-01-20

[21] **2,972,349**
[13] A1
[51] **Int.Cl. G06F 13/00 (2006.01)**
[25] EN
[54] **DISCOVERY PROTOCOL SYSTEM**
[54] **SYSTEME DE PROTOCOLE DE DECOUVERTE**
[72] DESHPANDE, SACHIN G., US
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2017-06-27
[86] 2015-12-09 (PCT/JP2015/006144)
[87] (WO2016/108258)
[30] US (62/098,278) 2014-12-30

[21] **2,972,350**
[13] A1
[51] **Int.Cl. H05B 37/02 (2006.01) F21S 6/00 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **ILLUMINATION DEVICE**
[54] **DISPOSITIF D'ECLAIRAGE**
[72] SATO, TOMOKI, JP
[71] BALMUDA INC., JP
[85] 2017-06-27
[86] 2016-01-20 (PCT/JP2016/051558)
[87] (WO2016/117594)
[30] JP (2015-008842) 2015-01-20

[21] **2,972,351**
[13] A1
[51] **Int.Cl. C22B 11/00 (2006.01) B01J 20/20 (2006.01) B01J 20/34 (2006.01) C22B 3/04 (2006.01)**
[25] EN
[54] **METHOD FOR RECOVERING GOLD FROM ACTIVATED CARBON**
[54] **PROCEDE DE RECUPERATION D'OR A PARTIR DE CHARBON ACTIF**
[72] HATANO, KAZUHIRO, JP
[72] YOSHIMURA, AKIRA, JP
[72] TATSUMI, RYOSUKE, JP
[71] JX NIPPON MINING & METALS CORPORATION, JP
[85] 2017-06-27
[86] 2015-12-04 (PCT/JP2015/084218)
[87] (WO2016/104113)
[30] JP (2014-266245) 2014-12-26
[30] JP (2014-266260) 2014-12-26

[21] **2,972,354**
[13] A1
[51] **Int.Cl. H01M 8/04 (2016.01)**
[25] EN
[54] **STATE DETECTION DEVICE AND METHOD FOR FUEL CELL**
[54] **DISPOSITIF ET PROCEDE DE DETECTION D'ETAT DE PILE A COMBUSTIBLE**
[72] AOKI, TETSUYA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2017-06-27
[86] 2014-12-26 (PCT/JP2014/084566)
[87] (WO2016/103462)

[21] **2,972,356**
[13] A1
[51] **Int.Cl. G06Q 50/10 (2012.01)**
[25] EN
[54] **CREATING PLATFORM POSITIONING MAPS REPRESENTING SURFACE PAD LOCATION FEASIBILITY**
[54] **CREATION DE CARTES DE POSITIONNEMENT DE PLATE-FORMES REPRESENTANT LA FAISABILITE DE LOCALISATION DE Puits EN SURFACE**
[72] PRATT, DEWAYNE, US
[72] COLVIN, RICHARD DANIEL, US
[72] SAMUEL, ROBELLO, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2017-06-27
[86] 2015-01-05 (PCT/US2015/010141)
[87] (WO2016/111669)

[21] **2,972,366**
[13] A1
[51] **Int.Cl. C07C 233/05 (2006.01) A61K 31/16 (2006.01) C07C 235/06 (2006.01) C07C 275/06 (2006.01) C07C 311/03 (2006.01) C07D 213/06 (2006.01) C07D 215/12 (2006.01) C07D 233/64 (2006.01) C07D 277/20 (2006.01) C07D 333/06 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **NECROSIS INHIBITORS**
[54] **INHIBITEURS DE NECROSE**
[72] ZHANG, ZHIYUAN, CN
[72] WANG, XIAODONG, CN
[72] LEI, XIAO GUANG, CN
[72] SU, YANING, CN
[72] HE, SUDAN, CN
[72] RUAN, HANYING, CN
[72] SUN, LIMING, CN
[71] NATIONAL INSTITUTE OF BIOLOGICAL SCIENCES, BEIJING, CN
[85] 2017-06-27
[86] 2015-12-23 (PCT/CN2015/098367)
[87] (WO2016/101885)
[30] CN (PCT/CN2014/094735) 2014-12-24

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[13] A1

[51] **Int.Cl. F16C 27/02 (2006.01)**
[25] EN
[54] **THRUST BEARING**
[54] **PALIER DE BUTEE**
[72] OMORI, NAOMICHI, JP
[71] IHI CORPORATION, JP
[85] 2017-06-27
[86] 2016-02-09 (PCT/JP2016/053753)
[87] (WO2016/129579)
[30] JP (2015-024442) 2015-02-10

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[13] A1

[51] **Int.Cl. H04Q 9/00 (2006.01) H04M 11/00 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **ILLUMINATION DEVICE**
[54] **DISPOSITIF D'ECLAIRAGE**
[72] TERAQ, GEN, JP
[72] SATO, TOMOKI, JP
[72] TSURU, NAOKI, JP
[71] BALMUDA INC., JP
[85] 2017-06-27
[86] 2016-03-10 (PCT/JP2016/057664)
[87] (WO2016/148033)
[30] JP (2015-051494) 2015-03-13

[21] **2,972,372**
[13] A1

[51] **Int.Cl. A62B 3/00 (2006.01)**
[25] EN
[54] **RESCUE TOOL**
[54] **OUTIL DE SAUVETAGE**
[72] BRUURS, ANTONIUS JOHANNES HENRICUS, NL
[71] N.V. HOLMATRO, NL
[85] 2017-06-27
[86] 2016-01-04 (PCT/NL2016/050001)
[87] (WO2016/111618)
[30] NL (2014095) 2015-01-08

[21] **2,972,376**
[13] A1

[51] **Int.Cl. C04B 35/653 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING MELT-CAST POTASSIUM FLUORINEPHLOGOPITE**
[54] **PROCEDE DE PRODUCTION DE FLUORPHLOGOPITE DE POTASSIUM FONDUE ET COULEE**
[72] GUSEV, ALEXANDER OLEGOVICH, RU
[72] SIMAKOV, DMITRIY ALEKSANDROVICH, RU
[72] SLUCHENKOV, OLEG VALENTINOVICH, RU
[71] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2017-06-27
[86] 2015-10-28 (PCT/RU2015/000715)
[87] (WO2016/108725)
[30] RU (2014154031) 2014-12-29

[21] **2,972,382**
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS OF DATA SYNCHRONIZATION**
[54] **APPAREIL ET PROCEDES DE SYNCHRONISATION DE DONNEES**
[72] RAGHUNATHAN, RAMESH KUMAR, US
[72] NICHOLS, RALPH LYNN, US
[72] RANGARAJAN, KESHAVA PRASAD, US
[72] YELESHWARAPU, CHANDRA, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2017-06-27
[86] 2015-01-09 (PCT/US2015/010803)
[87] (WO2016/111697)

[21] **2,972,387**
[13] A1

[51] **Int.Cl. G06F 17/00 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **DATA FILTERING AND MINING USING MULTIPLE-LEVEL, COMPOSITE-ATTRIBUTE TREE-NODE DIAGRAMS**
[54] **FILTRAGE ET EXPLORATION DE DONNEES AU MOYEN DE DIAGRAMMES MULTINIVEAUX, COMPOSITE-ATTRIBUT ARBRE-NOEUD**
[72] LI, WANQIANG, CN
[72] LI, HAITING, CN
[72] GOPALA REDDY SUNANDA, KIRAN, IN
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2017-06-27
[86] 2015-01-14 (PCT/US2015/011428)
[87] (WO2016/114774)

[21] **2,972,390**
[13] A1

[51] **Int.Cl. G01M 5/00 (2006.01) G06F 17/50 (2006.01)**
[25] EN
[54] **DETERMINING STRESSES IN A PIPE UNDER NON-UNIFORM EXTERIOR LOADS**
[54] **DETERMINATION DES CONTRAINTES DANS UN TUBE SOUS L'EFFET DE CHARGES EXTERIEURES NON UNIFORMES**
[72] MITCHELL, ROBERT FRANKLIN, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2017-06-27
[86] 2015-01-23 (PCT/US2015/012660)
[87] (WO2016/118154)

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[13] A1
[51] Int.Cl. E21B 43/12 (2006.01) G05B 19/02 (2006.01) G06G 3/10 (2006.01) G06G 7/48 (2006.01)
[25] EN
[54] INTEGRATED A PRIORI UNCERTAINTY PARAMETER ARCHITECTURE IN SIMULATION MODEL CREATION
[54] ARCHITECTURE INTEGREE DE PARAMETRES D'INCERTITUDE A PRIORI DANS LA CREATION D'UN MODELE DE SIMULATION
[72] LYNCH, JOE, US
[72] RAMSAY, TRAVIS, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2017-06-27
[86] 2015-01-30 (PCT/US2015/013819)
[87] (WO2016/122611)

[21] 2,972,392
[13] A1
[51] Int.Cl. A61B 3/024 (2006.01) A61B 3/113 (2006.01)
[25] EN
[54] SYSTEMS, METHODS, AND DEVICES FOR MEASURING EYE MOVEMENT AND PUPIL RESPONSE
[54] SYSTEMES, PROCEDES ET DISPOSITIFS DE MESURE DU MOUVEMENT OCULAIRE ET DE LA REACTION DE LA PUPILLE
[72] CORNSWEET, TOM N., US
[72] PETERSON, PAUL, US
[72] BOWER, BRAD, US
[71] BRIEN HOLDEN VISION DIAGNOSTICS, US
[85] 2017-06-27
[86] 2015-02-10 (PCT/US2015/015179)
[87] (WO2015/120438)
[30] US (61/937,788) 2014-02-10

[21] 2,972,393
[13] A1
[51] Int.Cl. A61K 45/00 (2006.01) A61K 39/395 (2006.01) A61P 1/04 (2006.01) A61P 1/16 (2006.01) A61P 3/10 (2006.01) A61P 5/14 (2006.01) A61P 7/06 (2006.01) A61P 9/00 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 13/12 (2006.01) A61P 15/08 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) A61P 19/10 (2006.01) A61P 21/00 (2006.01) A61P 21/04 (2006.01) A61P 25/00 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01)
[25] EN
[54] COMPOSITION FOR TREATING IL-6-RELATED DISEASES
[54] COMPOSITION POUR LE TRAITEMENT DE MALADIES ASSOCIEES A IL-6
[72] KAKEHI, TAKAHIRO, JP
[72] YAMADA, AKINORI, JP
[72] ISHIDA, YOSHIMASA, JP
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2017-06-27
[86] 2016-02-26 (PCT/JP2016/055768)
[87] (WO2016/136933)
[30] JP (2015-037933) 2015-02-27

[21] 2,972,394
[13] A1
[51] Int.Cl. G06Q 40/00 (2012.01)
[25] EN
[54] SYSTEM AND METHOD FOR USE OF ALTERNATING LEAST SQUARES TO IDENTIFY COMMON PROFILES OF TAX FILERS AND TAILOR THE TAX PREPARATION PROCESS BASED ON THE PROFILE FOR THE INDIVIDUAL TAX FILER
[54] SYSTEME ET PROCEDE D'UTILISATION DES MOINDRES CARRES ALTERNES POUR IDENTIFIER DES PROFILS COMMUN DE DECLARANTS ET PERSONNALISER LE PROCESSUS DE PREPARATION DE DECLARATION FISCALESUR LA BASE DU PROFIL DU DECLARANT INDIVIDUEL
[72] LAASER, WILLIAM T., US
[71] INTUIT INC., US
[85] 2017-06-27
[86] 2015-02-25 (PCT/US2015/017552)
[87] (WO2016/122680)
[30] US (14/607,586) 2015-01-28

[21] 2,972,395
[13] A1
[51] Int.Cl. E21B 47/01 (2012.01) E21B 47/013 (2012.01) E21B 17/00 (2006.01)
[25] EN
[54] COMBINED HYBRID CABLE HOUSING AND SPLITTER
[54] BOITIER ET DIVISEUR COMBINES DE CABLE HYBRIDE
[72] PARK, BRIAN VANDELLYN, US
[72] POLLARD, MICHAEL EDWIN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-06-27
[86] 2015-02-27 (PCT/US2015/017991)
[87] (WO2016/137489)

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[21] **2,972,396**
[13] A1

[51] **Int.Cl. B03D 1/016 (2006.01)**
[25] EN
[54] **DEPRESSANTS FOR MINERAL ORE FLOTATION**
[54] **DEPRIMANTS POUR FLOTTATION DE MINERAL DE MINERAL**
[72] MOORE, LUCAS, US
[72] YIN, XIHUI, US
[72] DURAND, JEAN ROBERT, US
[71] KEMIRA OYJ, FI
[85] 2017-06-27
[86] 2015-12-18 (PCT/US2015/066719)
[87] (WO2016/109254)
[30] US (62/097,807) 2014-12-30

[21] **2,972,397**
[13] A1

[51] **Int.Cl. A61K 38/00 (2006.01) A23L 33/10 (2016.01) A61P 7/02 (2006.01) A61P 9/00 (2006.01) A61P 13/12 (2006.01) A61P 29/00 (2006.01) A61P 37/02 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **INHIBITOR OF EXTRACELLULAR TRAP FORMATION IN LEUKOCYTE**
[54] **INHIBITEUR DE FORMATION DE PIEGE EXTRACELLULAIRE DANS UN LEUCOCYTE**
[72] KAWAKAMI, HIROSHI, JP
[72] HIRAHASHI, JUNICHI, JP
[72] OKUBO, KOSHU, JP
[72] KAGAYA, SHINJI, JP
[71] NRL PHARMA, INC., JP
[71] KEIO UNIVERSITY, JP
[71] KAWAKAMI, HIROSHI, JP
[85] 2017-04-06
[86] 2015-10-06 (PCT/JP2015/078857)
[87] (WO2016/056665)
[30] JP (2014-207415) 2014-10-08

[21] **2,972,398**
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **PRO-ACTIVE DETECTION AND CORRECTION OF LOW QUALITY QUESTIONS IN A CUSTOMER SUPPORT SYSTEM**
[54] **DETECTION PROACTIVE ET CORRECTION DE QUESTIONS DE MAUVAISE QUALITE DANS UN SYSTEME DE SOUTIEN A LA CLIENTELE**
[72] PODGORNÝ, IGOR A., US
[72] CANNON, MATTHEW, US
[72] GOODYEAR, TODD FREY, US
[72] GIELOW, CHRISTOPHER C., US
[71] INTUIT INC., US
[85] 2017-06-27
[86] 2015-02-27 (PCT/US2015/017997)
[87] (WO2016/122681)
[30] US (14/607,416) 2015-01-28

[21] **2,972,401**
[13] A1

[51] **Int.Cl. C07C 229/08 (2006.01)**
[25] EN
[54] **PICOLINAMIDE COMPOUNDS WITH FUNGICIDAL ACTIVITY**
[54] **COMPOSES PICOLINAMIDE A ACTIVITE FONGICIDE**
[72] BRAVO-ALTAMIRANO, KARLA, US
[72] LU, YU, US
[72] LOY, BRIAN, US
[72] BUCHAN, ZACHARY, US
[72] JONES, DAVID, US
[72] WILMOT, JEREMY, US
[72] RIGOLI, JARED, US
[72] DEKORVER, KYLE, US
[72] DAEUBLE, JOHN, US
[72] HERRICK, JESSICA, US
[72] WANG, XUELIN, US
[72] YAO, CHENGLIN, US
[72] MEYER, KEVIN, US
[71] DOW AGROSCIENCES LLC, US
[85] 2017-06-27
[86] 2015-12-18 (PCT/US2015/066760)
[87] (WO2016/122802)
[30] US (62/098,120) 2014-12-30
[30] US (62/098,122) 2014-12-30

[21] **2,972,403**
[13] A1

[51] **Int.Cl. A01N 47/18 (2006.01) A01N 43/40 (2006.01)**
[25] EN
[54] **PICOLINAMIDE COMPOUNDS WITH FUNGICIDAL ACTIVITY**
[54] **COMPOSES DE PICOLINAMIDE PRESENTANT UNE ACTIVITE FONGICIDE**
[72] YAO, CHENGLIN, US
[72] WILMOT, JEREMY, US
[72] RIGOLI, JARED, US
[72] MEYER, KEVIN G., US
[72] LOY, BRIAN, US
[71] DOW AGROSCIENCES LLC, US
[85] 2017-06-27
[86] 2015-12-21 (PCT/US2015/067201)
[87] (WO2016/109302)
[30] US (62/098,089) 2014-12-30
[30] US (62/098,097) 2014-12-30
[30] US (62/255,125) 2015-11-13
[30] US (62/255,131) 2015-11-13

[21] **2,972,408**
[13] A1

[51] **Int.Cl. A01N 47/18 (2006.01) A01N 43/40 (2006.01)**
[25] EN
[54] **USE OF PICOLINAMIDE COMPOUNDS WITH FUNGICIDAL ACTIVITY**
[54] **UTILISATION DE COMPOSES DE PICOLINAMIDE PRESENTANT UNE ACTIVITE FONGICIDE**
[72] YAO, CHENGLIN, US
[72] WILMOT, JEREMY, US
[72] RIGOLI, JARED, US
[72] MEYER, KEVIN G., US
[72] LOY, BRIAN, US
[71] DOW AGROSCIENCES LLC, US
[85] 2017-06-27
[86] 2015-12-21 (PCT/US2015/067204)
[87] (WO2016/109303)
[30] US (62/098,089) 2014-12-30
[30] US (62/098,097) 2014-12-30
[30] US (62/255,131) 2015-11-13
[30] US (62/255,125) 2015-11-13

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[13] A1
[51] **Int.Cl. E21B 49/00 (2006.01) G01V 99/00 (2009.01) E21B 43/12 (2006.01)**
[25] EN
[54] **SIMULATING THE EFFECTS OF RUPTURE DISK FAILURE ON ANNULAR FLUID EXPANSION IN SEALED AND OPEN ANNULI**
[54] **SIMULATION DES EFFETS DE LA DEFAILLANCE DU DISQUE DE RUPTURE AVEC LA DILATATION DU FLUIDE D'ANNULAIRE DANS DES ESPACES ANNULAIRES SCÉLLES ET OUVERTS**
[72] LIU, ZHENGCHUN, US
[72] SAMUEL, ROBELLO, US
[72] GONZALEZ, ADOLFO, US
[72] KANG, YONGFENG, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2017-06-27
[86] 2015-05-07 (PCT/US2015/029689)
[87] (WO2016/118181)
[30] US (62/107,099) 2015-01-23

[21] **2,972,411**
[13] A1
[51] **Int.Cl. E21B 49/00 (2006.01) G01V 99/00 (2009.01) E21B 43/12 (2006.01)**
[25] EN
[54] **SIMULATING THE EFFECTS OF SYNTACTIC FOAM ON ANNULAR PRESSURE BUILDUP DURING ANNULAR FLUID EXPANSION IN A WELLBORE**
[54] **SIMULATION DES EFFETS D'UNE MOUSSE SYNTACTIQUE SUR L'ACCUMULATION DE PRESSION DANS L'ANNULAIRE AU COURS DE L'EXPANSION D'UN FLUIDE D'ANNULAIRE DANS UN Puits DE FORAGE**
[72] LIU, ZHENGCHUN, US
[72] SAMUEL, ROBELLO, US
[72] GONZALES, ADOLFO, US
[72] KANG, YONGFENG, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2017-06-27
[86] 2015-05-07 (PCT/US2015/029693)
[87] (WO2016/122700)
[30] US (62/108,704) 2015-01-28

[21] **2,972,413**
[13] A1
[51] **Int.Cl. A01N 43/40 (2006.01) A01N 47/18 (2006.01) C07D 213/81 (2006.01)**
[25] EN
[54] **PICOLINAMIDE COMPOUNDS WITH FUNGICIDAL ACTIVITY**
[54] **COMPOSES DE PICOLINAMIDE PRESENTANT UNE ACTIVITE FONGICIDE**
[72] BRAVO-ALTAMIRANO, KARLA, US
[72] DEKORVER, KYLE A., US
[72] JONES, DAVID M., US
[72] DAEUBLE, JOHN F., SR., US
[72] HERRICK, JESSICA, US
[72] EPP, JEFFREY B., US
[72] DELORBE, JOHNATHAN E., US
[72] MEYER, KEVIN G., US
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[54] **COMBINATION COMPUTING DEVICE AND GAME CONTROLLER WITH FLEXIBLE BRIDGE SECTION**
[54] **COMBINAISON D'UN DISPOSITIF INFORMATIQUE ET D'UNE MANETTE DE JEU AVEC SECTION DE RACCORD SOUPLE**
[72] JOYNES, MATTHEW R., US
[72] TOWNLEY, FRASER, US
[72] DOOLEY, DANIEL P., US
[71] WIKIPAD, INC., US
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[54] **THERAPIE ELECTROMAGNETIQUE PULSEE ET PAR ULTRASONS POUR STIMULER DES PROTEINES DE CHOC THERMIQUE CIBLEES ET FACILITER UNE REPARATION DE PROTEINE**
[72] LUTTRILL, JEFFREY K., US
[72] MARGOLIS, BENJAMIN W. L., US
[72] CHANG, DAVID B., US
[71] OJAI RETINAL TECHNOLOGY, LLC, US
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[54] **APPAREIL DE CYTOMETRIE DE MASSE ET PROCEDES**
[72] LOBODA, ALEXANDER V., CA
[72] BANDURA, DMITRY R., CA
[72] BARANOV, VLADIMIR I., CA
[71] FLUIDIGM CANADA INC., CA
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[54] **PROCEDE DE RESTAURATION DE LA REPONSE AUX MEDICAMENTS DANS UN TISSU D'ORGANISMES VIVANTS**
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[72] CHANG, DAVID B., US
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[54] **COMPOSITIONS FONGICIDES**
[72] HOPKINS, DEREK J., NZ
[72] CATHIE, CHERYL ANN, NZ
[72] MATHIESON, TODD, US
[72] FOSTER, NEIL, FR
[71] DOW AGROSCIENCES LLC, US
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[54] **EMULSIONS, TREATMENT FLUIDS AND METHODS FOR TREATING SUBTERRANEAN FORMATIONS**
[54] **EMULSIONS, FLUIDES DE TRAITEMENT ET PROCEDES DE TRAITEMENT DE FORMATIONS SOUTERRAINES**
[72] JACKSON, LOGAN, US
[72] NGUYEN, DANNY, US
[72] ROBINSON, RONALD, US
[72] WATERMAN, PAUL, US
[71] KEMIRA OYJ, FI
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[72] MATHIESON, TODD, US
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[54] **EMULSIONS CONTENANT DES SULFATES D'ALKYLETHER ET LEURS UTILISATIONS**
[72] LUO, YUPING, US
[72] ROBINSON, RONALD, US
[72] NGUYEN, DANNY, US
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[25] EN
[54] **DETECTION AND TREATMENT OF DISEASE EXHIBITING DISEASE CELL HETEROGENEITY AND SYSTEMS AND METHODS FOR COMMUNICATING TEST RESULTS**
[54] **DETECTION ET TRAITEMENT D'UNE MALADIE FAISANT PREUVE D'HETEROGENEITE DES CELLULES MALADES ET SYSTEMES ET PROCEDES DE COMMUNICATION DES RESULTATS DE TEST**
[72] ELTOUKHY, HELMY, US
[72] TALASAZ, AMIRALI, US
[72] KERMANI, BAHRAM GHAFARZADEH, US
[72] IHUEGBU, NNAMDI, US
[71] GUARDANT HEALTH, INC., US
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[54] TRAITEMENT PROPHYLACTIQUE PAR LASER A MICRO-IMPULSIONS INFRALIMINAIRE POUR MALADIES EVOLUTIVES CHRONIQUES DE LA RETINE
[72] LUTTRULL, JEFFREY K., US
[72] MARGOLIS, BENJAMIN W. L., US
[72] CHANG, DAVID B., US
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[54] PAPIER A CIGARETTE A FAIBLE PROPENSION A L'ALLUMAGE ET SON PROCEDE DE FABRICATION
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[54] NOUVEL AGENT DE SOUTENEMENT ET SES PROCEDES D'UTILISATION
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[72] ALLEN, THOMAS, US
[71] SOUTHWESTERN ENERGY COMPANY, US
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[54] APPARATUS AND METHOD FOR SYNCHRONIZING COMMUNICATION BETWEEN SYSTEMS WITH DIFFERENT CLOCK RATES
[54] APPAREIL ET PROCEDE DE SYNCHRONISATION DE COMMUNICATION ENTRE DES SYSTEMES PRESENTANT DIFFERENTES FREQUENCES D'HORLOGE
[72] TENDER, NEIL H., US
[72] VASAVADA, YASH, US
[72] ARUR, DEEPAK, US
[72] MUHAMMAD, TARIQ, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
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[54] COMPOSITIONS AND METHODS FOR HIGH EFFICIENCY IN VIVO GENOME EDITING
[54] COMPOSITIONS ET PROCEDES POUR UNE EFFICACITE ELEVEE DE L'EDITION DU GENOME IN VIVO
[72] VERRUTO, JOHN, US
[72] MOELLERING, ERIC, US
[71] SYNTHETIC GENOMICS, INC., US
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[54] COMPOSITIONS BACTERIENNES
[72] NAYAK, SUBHENDU, US
[71] MELALEUCA, INC., US
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[54] PROCEDES ET SYSTEMES DE FACILITATION DE MODULATION CARDIAQUE
[72] WALDHAUSER, STEVEN L., US
[72] GOEDEKE, STEVEN D., US
[71] CARDIONOMIC, INC., US
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[54] **STENT EXPANSIBLE COMPRENANT UNE EXTREMITÉ CONTRAINTE**
[72] DIXON, MATHEW, US
[71] C.R. BARD, INC., US
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[54] **MODULATION DU TAUX DE LIBÉRATION DE PESTICIDES MICRO-ENCAPSULES**
[72] ZHANG, JUNHUA, US
[72] HEMMINGHAUS, JOHN W., US
[72] FRIEDMAN, TODD CHARLES, US
[72] DENG, WENJIN, US
[72] YUAN, LIWEI, US
[71] MONSANTO TECHNOLOGY LLC, US
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[54] **BANDELETTE D'ESSAI DE GLYCEMIE PRESENTANT UNE CORRECTION DES INTERFERENCES**
[72] PASQUA, JOHN, US
[72] ESTEVEZ-LABORI, FRANCISCO, US
[72] MAYHOOK, SAVANNA, US
[71] TRIVIDIA HEALTH, INC., US
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[54] **DUAL PHASE STEEL WITH IMPROVED PROPERTIES**
[54] **ACIER A DEUX PHASES A PROPRIÉTÉS AMÉLIORÉES**
[72] THOMAS, GRANT AARON, US
[72] LOSZ, JOSE MAURO BARROS, US
[72] GARZA-MARTINEZ, LUIS GONZALO, US
[72] CASE, EDDIE RAY, US
[72] PETERSEN, ERIC, US
[72] RASTOGI, PRABHAT, US
[71] AK STEEL PROPERTIES, INC., US
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[54] **ELECTRICAL AND THERMAL CONTACTS FOR BULK TETRAHEDRITE MATERIAL, AND METHODS OF MAKING THE SAME**
[54] **CONTACTS ÉLECTRIQUES ET THERMIQUES POUR MATÉRIAU EN Vrac DE TETRAEDRITE, ET LEURS PROCÉDES DE FABRICATION**
[72] MILLER, LINDSAY, US
[72] REIFENBERG, JOHN P., US
[72] CRANE, DOUGLAS, US
[72] LORIMER, ADAM, US
[72] AGUIRRE, MARIO, US
[72] CHASE, JORDAN, US
[72] SCULLIN, MATTHEW L., US
[71] ALPHABET ENERGY, INC., US
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[54] **MODELING RIBOSOME DYNAMICS TO OPTIMIZE HETEROLOGOUS PROTEIN PRODUCTION**
[54] **MODELISATION DE LA DYNAMIQUE DES RIBOSOMES POUR OPTIMISER LA PRODUCTION DE PROTÉINES HÉTÉROLOGUES**
[72] VU, SCOTT KHOI, US
[72] BITZER, DONALD L., US
[71] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2017-06-27
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[54] **DEVICE FOR ACCOMMODATING SURGICAL TOOL PRIOR TO AND DURING MEDICAL PROCEDURES**

[54] **DISPOSITIF POUR LOGER UN OUTIL CHIRURGICAL AVANT ET PENDANT DES PROCEDURES MEDICALES**

[72] MURATORI, ADAM, US

[72] KANE, BILL, US

[72] FINK, DAVID, US

[72] GORDON, JOE, US

[72] GUARRAIA, MARK, US

[72] BERTRAM, PAUL, US

[72] PUNIELLO, PAUL, US

[71] COVIDIEN LP, US

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[13] A1

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[54] **MULTI-MEDIA STRUCTURES CONTAINING GROWTH ENHANCEMENT ADDITIVES**

[54] **STRUCTURES A PLUSIEURS MILIEUX CONTENANT DES ADDITIFS D'AMELIORATION DE LA CROISSANCE**

[72] SUNTYCH, JON DAREN, US

[71] XIANT TECHNOLOGIES, INC., US

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[25] EN

[54] **SECURITY DEVICE FOR INTEGRATION INTO A SECURITY SYSTEM**

[54] **DISPOSITIF DE SECURITE CONCU POUR UNE INTEGRATION DANS UN SYSTEME DE SECURITE**

[72] LEE, JONATHAN, US

[71] LEE, JONATHAN, US

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[54] **STRUCTURED BIOLOGICAL SAMPLES FOR ANALYSIS BY MASS CYTOMETRY**

[54] **ECHANTILLONS BIOLOGIQUES STRUCTURES POUR ANALYSE PAR UN CYTOMETRE DE MASSE**

[72] LOBODA, ALEXANDER V., CA

[71] FLUIDIGM CANADA INC., CA

[85] 2017-06-27

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[87] (WO2016/109825)

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[54] **SYSTEME DE COLLECTE D'ENERGIE A PARTIR D'UNE MASSE MOBILE**

[72] SANTOS, JOSEPH MARION, US

[71] SANTOS, JOSEPH MARION, US

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[30] US (15/050,115) 2016-02-22

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[54] **INTEGRATED ACTIVITY MANAGEMENT SYSTEM AND METHOD OF USING SAME**

[54] **SYSTEME ET PROCEDE DE GESTION D'ACTIVITE INTEGREE ET PROCEDE UTILISANT CE DERNIER**

[72] SOUTO, ESTEBAN RICARDO, US

[72] ISHAM, JOHN KENNETH, US

[71] ONE FACTOR HOLDINGS LLC, US

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[13] A1

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[25] EN

[54] **PNEUMATIC TRIP VALVE PARTIAL STROKING ARRANGEMENT**

[54] **AGENCEMENT DE COURSE PARTIELLE DE SOUPEPE DE DECLENCHEMENT PNEUMATIQUE**

[72] PACELLI, WILLIAM G., US

[72] WALSH, JAMES F., US

[71] ELLIOTT COMPANY, US

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[87] (WO2017/058726)

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[54] **DETERGENT FOR MEDICAL INSTRUMENTATION**

[54] **DETERGENT POUR INSTRUMENTS MEDICAUX**

[72] GLASBEY, TREVOR OWEN, AU

[72] HOFFMANN, CHRISTOPHER DAVID, AU

[72] MORGAN, PHILIP JOHN, AU

[72] ROBERTS, NICHOLAS ALAN, AU

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[54] **USE OF PICOLINAMIDES AS FUNGICIDES**

[54] **UTILISATION DE PICOLINAMIDES EN TANT QUE FONGICIDES**

[72] BUCHAN, ZACHARY, US

[72] DEKORVER, KYLE A., US

[72] JONES, DAVID M., US

[72] HERRICK, JESSICA, US

[72] WILMOT, JEREMY, US

[72] RIGOLI, JARED, US

[72] LOY, BRIAN, US

[72] LU, YU, US

[72] MEYER, KEVIN G., US

[72] YAO, CHENGLIN, US

[71] DOW AGROSCIENCES LLC, US

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[86] 2015-12-21 (PCT/US2015/067207)

[87] (WO2016/109305)

[30] US (62/098,089) 2014-12-30

[30] US (62/098,097) 2014-12-30

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[30] US (62/255,163) 2015-11-13

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[13] A1

[51] **Int.Cl. A61G 7/10 (2006.01) A61G 7/14 (2006.01)**

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[54] **LOCKING CLIP FOR PATIENT SLING**

[54] **ATTACHE DE VERROUILLAGE POUR ELINGUE DE PATIENT**

[72] CUSTEAU-BOISCLAIR, OLIVIER, CA

[72] FAUCHIER, MARTIN, CA

[72] JONCAS, MARIE-LOU, CA

[72] MATTEAU, YVAN, CA

[72] CALDERON, ERICK, CA

[71] ARJOHUNTLEIGH MAGOG INC., CA

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[87] (WO2016/106455)

[30] US (62/097,885) 2014-12-30

[21] **2,972,554**
[13] A1

[51] **Int.Cl. H04L 1/00 (2006.01)**

[25] EN

[54] **POLAR CODE PROCESSING METHOD AND SYSTEM, AND WIRELESS COMMUNICATIONS APPARATUS**

[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE CODE POLAIRE ET APPAREIL DE COMMUNICATION SANS FIL**

[72] SHEN, HUI, CN

[72] LI, BIN, CN

[72] CHEN, JUN, CN

[71] HUAWEI TECHNOLOGIES CO., LTD., CN

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[87] (WO2015/100572)

[21] **2,972,558**
[13] A1

[51] **Int.Cl. H04L 12/24 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR UPGRADING MULTI-DWELLING UNIT**

[54] **PROCEDE ET DISPOSITIF POUR LA MISE A NIVEAU D'UNITE D'HABITATION MULTIPLE**

[72] LIU, YUE, CN

[72] YU, JIANXUE, CN

[72] LV, HAIXING, CN

[71] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2017-06-28

[86] 2015-10-10 (PCT/CN2015/091674)

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[13] A1

[51] **Int.Cl. B63B 25/08 (2006.01) B63B 69/00 (2013.01) B63B 9/06 (2006.01) B63B 38/00 (2006.01) E04C 1/40 (2006.01) F17C 1/08 (2006.01) F17C 11/00 (2006.01)**

[25] EN

[54] **GAS HYDRATE TRANSPORTATION AND STORAGE SYSTEM AND METHOD**

[54] **SYSTEME DE TRANSPORT ET DE STOCKAGE D'HYDRATES DE GAZ ET PROCEDE ASSOCIE**

[72] FISHLER, YEHOOSHUA, IL

[71] FISHLER, YEHOOSHUA, IL

[85] 2017-06-28

[86] 2015-12-28 (PCT/IL2015/060015)

[87] (WO2016/108177)

[30] US (62/097,101) 2014-12-28

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[51] Int.Cl. H01M 4/52 (2010.01)
[25] EN
[54] **PREPARATION METHOD OF BATTERY COMPOSITE MATERIAL AND PRECURSOR THEREOF**
[54] **PROCEDE DE PREPARATION DE MATERIAU COMPOSITE POUR BATTERIE ET SON PRECURSEUR**
[72] LIN, HSIANG-PIN, CN
[72] HSIEH, HAN-WEI, CN
[72] HUANG, AN-FENG, CN
[72] HUANG, CHUN-MING, CN
[71] ADVANCED LITHIUM ELECTROCHEMISTRY CO., LTD., CN
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[86] 2016-01-07 (PCT/CN2016/070382)
[87] (WO2016/110261)
[30] US (62/101,054) 2015-01-08

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[13] A1
[51] Int.Cl. C07K 16/12 (2006.01) A61K 39/40 (2006.01) A61P 31/04 (2006.01) C12N 7/01 (2006.01) C12N 15/13 (2006.01) G01N 33/569 (2006.01)
[25] EN
[54] **ANTI-SALMONELLA ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-SALMONELLA ET LEURS UTILISATIONS**
[72] RIAZI, ALI, CA
[72] WILLIAMS, RASHIDA, CA
[72] SHAHINAS, DEA, CA
[72] BABAEI, SAIED, CA
[72] YAN, ZHUN, CA
[71] ABCELEX TECHNOLOGIES INC., CA
[85] 2017-06-28
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[51] Int.Cl. A61K 48/00 (2006.01) A61P 3/10 (2006.01) A61P 5/48 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12N 15/63 (2006.01) C12N 15/861 (2006.01)
[25] EN
[54] **METHODS OF TRANSDIFFERENTIATION AND METHODS OF USE THEREOF**
[54] **PROCEDES DE TRANSDIFFERENCIATION ET PROCEDES D'UTILISATION DE CEUX-CI**
[72] FERBER, SARAH, IL
[71] ORGENESIS LTD., IL
[71] TEL HASHOMER-MEDICAL RESEARCH, INFRASTRUCTURE AND SERVICES LTD., IL
[85] 2017-06-28
[86] 2015-12-30 (PCT/IL2015/051267)
[87] (WO2016/108237)
[30] US (62/098,050) 2014-12-30

[21] 2,972,571
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[51] Int.Cl. B22D 43/00 (2006.01) F27D 25/00 (2010.01)
[25] EN
[54] **MELTING POT, AND FLOAT SALVAGING APPARATUS AND METHOD FOR MELTING POT**
[54] **CREUSET ET APPAREIL DE RECUPERATION DE FLOTTEUR ET PROCEDE POUR CREUSET**
[72] DENG, AIMIN, CN
[72] DING, HUI, CN
[72] PENG, HONGDAO, CN
[72] HUANG, JIANFEL, CN
[72] CHEN, HAO, CN
[72] WANG, JIALIANG, CN
[72] SHAO, XIAOGUANG, CN
[72] LI, WEI, CN
[72] YU, XIN, CN
[72] HE, YANBING, CN
[72] WEI, DONGDONG, CN
[72] ZENG, FANGCHENG, CN
[72] LIU, WENBIN, CN
[72] LOU, QIAN, CN
[72] LI, WENYUE, CN
[72] HU, JUN, CN
[72] WANG, XUELIN, CN
[72] DENG, ZHAOCHANG, CN
[72] ZHANG, WENZENG, CN
[71] JIANGXI NERIN EQUIPMENT CO., LTD., CN
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- [25] EN
- [54] **INK COMPOSITION FOR HIGH-SPEED SCREEN PRINTING, PRINTED MATTER PRODUCED BY THE HIGH-SPEED SCREEN PRINTING OF THE INK COMPOSITION, AND METHOD FOR PRODUCING THE PRINTED MATTER**
- [54] **COMPOSITION D'ENCRE POUR SERIGRAPHIE A GRANDE VITESSE, ARTICLE IMPRIME OBTENU PAR IMPRESSION A GRANDE VITESSE DE LADITE COMPOSITION D'ENCRE, ET PROCEDE DE PRODUCTION DUDIT ARTICLE IMPRIME**
- [72] OGATA, TOMOMI, JP
[72] TORIHATA, TAKUYA, JP
[72] TAKADA, NAOTO, JP
[71] TEIKOKU PRINTING INKS MFG. CO., LTD, JP
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[86] 2015-12-02 (PCT/JP2015/083888)
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- [25] EN
- [54] **WIG BASE AND WIG**
- [54] **BASE DE PERRUQUE ET PERRUQUE**
- [72] SAITO, KUMIKO, JP
[71] AIDERANS COMPANY LIMITED, JP
[85] 2017-06-28
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- [25] EN
- [54] **WEIGHT SENSING BASE FOR AN ADJUSTABLE DUMBBELL SYSTEM**
- [54] **BASE DE DETECTION DE POIDS DESTINEE A UN SYSTEME D'HALTERE REGLABLE**
- [72] MORAN, THOMAS H., US
[72] FLICK, EDWARD L., US
[71] NAUTILUS, INC., US
[85] 2017-06-28
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- [51] **Int.Cl. B64C 39/00 (2006.01) B61B 3/02 (2006.01) B61B 13/08 (2006.01) B61C 13/04 (2006.01) G05D 1/00 (2006.01)**
- [25] EN
- [54] **TERREPLANE**
- TRANSPORTATION SYSTEM**
- [54] **SYSTEME DE TRANSPORT TERREPLANE**
- [72] SUPPES, GALEN J., US
[71] SUPPES, GALEN J., US
[85] 2017-06-28
[86] 2015-12-29 (PCT/US2015/067799)
[87] (WO2016/109490)
[30] US (62/097,921) 2014-12-30
[30] US (62/116,857) 2015-02-16
[30] US (62/129,261) 2015-03-06
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- [54] **FIXATION OF INTRALUMINAL DEVICE**
- [54] **FIXATION DE DISPOSITIF INTRALUMINAL**
- [72] FOOTE, JAMES A., US
[72] WALBURN, FREDERICK J., US
[72] BAKER, RANDAL S., US
[71] BFKW, LLC, US
[85] 2017-06-28
[86] 2015-12-22 (PCT/US2015/067407)
[87] (WO2016/109346)
[30] US (62/097,295) 2014-12-29
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[30] US (62/234,335) 2015-09-29
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[13] A1
- [51] **Int.Cl. A61K 35/16 (2015.01)**
- [25] EN
- [54] **METHODS FOR ISOLATION OF PLATELETS**
- [54] **PROCEDES D'ISOLEMENT DE PLAQUETTES**
- [72] KHORSHIDI, MANOOCHEHR, US
[71] ANTHROGENESIS CORPORATION, US
[85] 2017-06-28
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[51] **Int.Cl. C12P 19/34 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR MOLECULAR DIAGNOSTIC TESTING**
[54] **DISPOSITIFS ET PROCEDES POUR TEST DIAGNOSTIQUE MOLECULAIRE**
[72] ANDREYEV, BORIS, US
[72] CIOPYK, BRIAN, US
[72] DE LA ZERDA, ADAM, US
[72] MORAVICK, KEITH, US
[72] SWENSON, DAVID, US
[72] LONEY, GREGORY, US
[72] CHING, JESUS, US
[72] KELLY, COLIN, US
[72] BRIONES, VICTOR, US
[72] CHU, STEVE, US
[72] HUANG, HELEN, US
[71] CLICK DIAGNOSTICS, INC., US
[85] 2017-06-28
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[87] (WO2016/109691)
[30] US (62/098,769) 2014-12-31
[30] US (62/213,291) 2015-09-02

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[13] A1
[51] **Int.Cl. F28D 7/04 (2006.01)**
[25] EN
[54] **BEVERAGE CHILLER**
[54] **REFROIDISSEUR DE BOISSON**
[72] DUSSAULT, DAVID, US
[71] ICECOLDNOW, INC., US
[85] 2017-06-28
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[87] (WO2016/109710)
[30] US (62/098,851) 2014-12-31

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[13] A1
[51] **Int.Cl. C12N 5/0775 (2010.01) A61K 35/28 (2015.01)**
[25] EN
[54] **FACTORS AND CELLS THAT PROVIDE FOR INDUCTION OF BONE, BONE MARROW, AND CARTILAGE**
[54] **FACTEURS ET CELLULES POUR L'INDUCTION D'OS, DE MOELLE OSSEUSE ET DE CARTILAGE**
[72] CHAN, CHARLES K. F., US
[72] WEISSMAN, IRVING L., US
[72] LONGAKER, MICHAEL T., US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2017-06-28
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[30] US (62/101,282) 2015-01-08

[21] **2,972,593**
[13] A1
[51] **Int.Cl. H04L 29/08 (2006.01)**
[25] EN
[54] **NETWORK ADDRESS RESOLUTION**
[54] **RESOLUTION D'ADRESSES RESEAU**
[72] NEWTON, CHRISTOPHER, US
[72] POWER, WILLIAM R., US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2017-06-28
[86] 2015-12-31 (PCT/US2015/068284)
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[30] US (62/098,930) 2014-12-31

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[13] A1
[51] **Int.Cl. H04L 29/08 (2006.01)**
[25] EN
[54] **NETWORK ADDRESS RESOLUTION**
[54] **RESOLUTION D'ADRESSE DE RESEAU**
[72] NEWTON, CHRISTOPHER, US
[72] POWER, WILLIAM R., US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2017-06-28
[86] 2015-12-31 (PCT/US2015/068288)
[87] (WO2016/109800)
[30] US (62/098,940) 2014-12-31

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[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61M 11/00 (2006.01) A61M 16/04 (2006.01) A61M 16/10 (2006.01) B05B 17/06 (2006.01)**
[25] EN
[54] **AEROSOL MEDICATION DELIVERY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ADMINISTRATION DE MEDICAMENT SOUS FORME D'AEROSOL**
[72] EGAN, EDMUND A., US
[72] FERGUSON, WILLIAM H., US
[71] ONY INC., US
[85] 2017-06-28
[86] 2015-12-28 (PCT/US2015/067600)
[87] (WO2016/109390)
[30] US (62/097,522) 2014-12-29

[21] **2,972,597**
[13] A1
[51] **Int.Cl. C07K 14/725 (2006.01) C12N 5/0783 (2010.01) C12N 5/00 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **METHODS OF MAKING CHIMERIC ANTIGEN RECEPTOR-EXPRESSING CELLS**
[54] **PROCEDES DE PRODUCTION DE CELLULES D'EXPRESSION DE RECEPTEUR D'ANTIGENE CHIMERIQUE**
[72] BEDOYA, FELIPE, US
[72] GHASSEMI, SABA, US
[72] JUNE, CARL H., US
[72] LEVINE, BRUCE L., US
[72] MELENHORST, JAN J., US
[72] MILONE, MICHAEL C., US
[72] POWELL, DANIEL J., JR., US
[72] ZHENG, ZOE, US
[71] NOVARTIS AG, CH
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[87] (WO2016/109410)
[30] US (62/097,375) 2014-12-29
[30] US (62/133,137) 2015-03-13

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[51] **Int.Cl. C12N 5/079 (2010.01) C12N 5/0793 (2010.01) C12Q 1/68 (2006.01) G01N 33/50 (2006.01) G05B 13/00 (2006.01)**

[25] EN

[54] **HUMAN PLURIPOTENT STEM CELL-BASED MODELS FOR PREDICTIVE DEVELOPMENTAL NEURAL TOXICITY**

[54] **MODELES DE PREDICTION DE LA TOXICITE NEURALE BASES SUR DES CELLULES SOUCHES PLURIPOTENTES HUMAINES**

[72] THOMSON, JAMES A., US

[72] MURPHY, WILLIAM L., US

[72] PAGE, CHARLES D., US

[72] SCHWARTZ, MICHAEL P., US

[72] HOU, ZHONGGNAG, US

[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US

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[13] A1

[51] **Int.Cl. H02H 7/00 (2006.01)**

[25] EN

[54] **SURGE PROTECTIVE DEVICES**

[54] **DISPOSITIFS DE PROTECTION CONTRE LES SURTENSIONS**

[72] BANDEL, MICHAEL W., US

[71] HUBBELL INCORPORATED, US

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[86] 2016-01-04 (PCT/US2016/012016)

[87] (WO2016/111912)

[30] US (14/590,553) 2015-01-06

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[13] A1

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[25] EN

[54] **ANTI-CD47 ANTIBODIES AND USES THEREOF**

[54] **ANTICORPS ANTI-CD47 ET LEURS UTILISATIONS**

[72] SATO, AARON, US

[72] STAFFORD, RYAN, US

[72] YANG, JUNHAO, US

[71] CELGENE CORPORATION, US

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[13] A1

[51] **Int.Cl. A61K 35/74 (2015.01) A61K 36/87 (2006.01) A61K 36/906 (2006.01) A61P 39/06 (2006.01)**

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[54] **MULTI-SUPPLEMENT COMPOSITIONS**

[54] **COMPOSITIONS MULTI-COMPLEMENTS**

[72] RABOVSKY, ALEXANDER B., US

[72] HIO, BEGONIA YEEMAN, US

[72] NIELSON, STEPHANIE Y., US

[72] FREDD, NASSER A., US

[72] NAYAK, SUBHENDU, US

[71] MELALEUCA, INC., US

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[30] US (62/099,410) 2015-01-02

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[13] A1

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[25] EN

[54] **APPARATUS FOR ENCLOSING ENERGY STORAGE DEVICES**

[54] **APPAREIL DESTINE A ENSERRER DES DISPOSITIFS DE STOCKAGE D'ENERGIE**

[72] PYZZA, JAKE, US

[72] HALBIG, DANIEL MATTHEW, US

[71] IOXUS, INC., US

[85] 2017-06-28

[86] 2016-01-14 (PCT/US2016/013336)

[87] (WO2016/115301)

[30] US (14/597,844) 2015-01-15

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[13] A1

[51] **Int.Cl. G01K 11/22 (2006.01) E21B 47/107 (2012.01) G01F 1/66 (2006.01)**

[25] EN

[54] **TRANSDUCERS AND ACOUSTIC EMITTERS FOR FIBER-OPTIC-BASED ACOUSTIC SENSING**

[54] **TRANSDUCTEURS ET EMETTEURS ACOUSTIQUES POUR LA DETECTION ACOUSTIQUE BASEE SUR FIBRE OPTIQUE**

[72] TAVERNER, DOMINO, US

[72] VINCELETTE, ANDRE R., CA

[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

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[13] A1

[51] **Int.Cl. A01K 85/18 (2006.01)**

[25] EN

[54] **COMPOSITE PADDLE AND INTERLOCKING KEEL**

[54] **PALETTE COMPOSITE ET QUILLE DE VERROUILLAGE**

[72] JARBOE, JOSEPH, US

[72] SUZUKI, MUNENORI, JP

[71] EBSCO INDUSTRIES, INC., US

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[30] US (62/103,737) 2015-01-15

[30] US (62/117,188) 2015-02-17

[30] US (14/993,870) 2016-01-12

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[51] Int.Cl. F16L 55/163 (2006.01) F17D 1/00 (2006.01)
[25] EN
[54] LINER ASSEMBLY FOR PIPELINE REPAIR OR REINFORCEMENT AND METHOD OF INSTALLING SAME
[54] ENSEMBLE CHEMISAGE POUR REPARATION OU RENFORCEMENT DE CONDUITE ET SON PROCEDE D'INSTALLATION
[72] MANNERS, CAMERON, CA
[71] NU FLOW TECHNOLOGIES 2000 INC., CA
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[86] 2015-12-29 (PCT/CA2015/000611)
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[30] US (62/097,816) 2014-12-30

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[13] A1
[51] Int.Cl. A23L 3/00 (2006.01) G06F 11/30 (2006.01) G08B 31/00 (2006.01) G08C 17/02 (2006.01) H04Q 9/00 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR PROVIDING FRESHNESS INFORMATION
[54] SYSTEME ET PROCEDE DE FOURNITURE D'INFORMATIONS DE FRAICHEUR
[72] HOWELL, DANIEL B., US
[71] WAL-MART STORES, INC., US
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[54] PORTE SUPERIEURE ARTICULEE POUR UNE REMORQUE
[72] MAERTENS, ANDREW JOSEPH, CA
[72] KLOEPFFER, MICHAEL, CA
[71] TITAN TRAILERS INC., CA
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[54] MELANGE D'HUILES MOTEUR ET PROCEDE POUR REDUIRE L'USURE SUR DE L'ACIER ET ELIMINER LE ZDDP DANS DES HUILES MOTEUR PAR MODIFICATION DE LA REPOSE PLASTIQUE DE L'ACIER
[72] SLOAN, RONALD J., US
[71] BESTLINE INTERNATIONAL RESEARCH, INC., US
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[54] MIMETIQUES DE LIPIDE A, PROCEDES DE PREPARATION, ET LEURS UTILISATIONS
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[72] LEWICKY, JORDAN DAVID, CA
[72] WEIR, GENEVIEVE MARY, CA
[72] RAJAGOPALAN, RAJKANNAN, CA
[72] SAMMATUR, LEELADHAR, CA
[72] STANFORD, MARIANNE MICHELLE, CA
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[71] IMMUNOVACCINE TECHNOLOGIES INC., CA
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[54] ACTIVATEURS ALLOSTERIQUES POUR LE TRAITEMENT DE LA PHENYLKETONURIE
[72] BRITZ-MCKIBBIN, PHILIP, CA
[71] MCMASTER UNIVERSITY, CA
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[54] **REKETEMENT D'ELECTROLYSEUR POUR LA PRODUCTION D'ALUMINIUM**
[72] GUSEV, ALEXANDER OLEGOVICH, RU
[72] SIMAKOV, DMITRIY ALEKSANDROVICH, RU
[72] SLUCHENKOV, OLEG VALENTINOVICH, RU
[71] OBSSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLICHESKIY TSENTR", RU
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[54] **PROCEDE ET DISPOSITIF DE RETRANSMISSION DE CODE POLAIRE**
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[54] **POLAR CODE RATE MATCHING METHOD AND APPARATUS**
[54] **PROCEDE D'ADAPTATION DE DEBIT DE CODE POLAIRE ET DISPOSITIF D'ADAPTATION DE DEBIT**
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[54] **PLAQUE PORTE-SOUPAPE COMPRENANT DES TROUS D'ASPIRATION MODIFIES POUR L'AUGMENTATION DE L'ECOULEMENT DE REFRIGERANT D'UN COMPRESSEUR**
[72] BOONKUM, SUPACHOKE, TH
[71] KULTHORN PREMIER COMPANY LIMITED, TH
[85] 2017-06-28
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[54] **CHAUSSETTE DE PROTECTION**
[72] LOYENS, ROLF, CA
[72] AHMED, IQBAL, PK
[71] BASE360 INC., CA
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[54] **PROCEDES ET SYSTEMES DE GESTION D'AUTORISATIONS D'ACCES A DES RESSOURCES DE DISPOSITIF MOBILE**
[72] MALLOZZI, MATTHEW ROBERT, US
[71] FACEBOOK, INC., US
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[54] **PROCEDE ET SYSTEME POUR UNE ALIMENTATION EN OXYGENE A HAUTE FIABILITE A PARTIR D'UNITES MULTIPLES**
[72] WIMMER, ROBERT, US
[72] BURNS, JASON, US
[72] GOSHAY, WILLIAM K., US
[72] NAHEIRI, TARIK, US
[71] PACIFIC CONSOLIDATED INDUSTRIES, LLC, US
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[54] **COMPOSES ANTIBACTERIENS ANTISENS ET PROCEDES ASSOCIES**
[72] GELLER, BRUCE L., US
[72] GREENBERG, DAVID, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[71] OREGON STATE UNIVERSITY, US
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[54] **LACTOFEN AND DICAMBA DIGLYCOL AMINE LIQUID FORMULATIONS**
[54] **FORMULATIONS LIQUIDES DE LACTOFENE ET DICAMBA DIGLYCOLAMINE**
[72] RAMACHANDRAN, BHASKAR M., GB
[72] CHEUNG, TAK WAI, US
[71] VALENT U.S.A. LLC, US
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[54] **POLAR CODE RATE MATCHING METHOD AND POLAR CODE RATE MATCHING APPARATUS**
[54] **PROCEDE DE MISE EN CORRESPONDANCE DE DEBITS ET APPAREIL DE MISE EN CORRESPONDANCE DE DEBITS POUR DES CODES POLAIRES**
[72] SHEN, HUI, CN
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[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **APPLICATEUR D'AGRAFES CHIRURGICALES AVEC MECANISME D'ALIMENTATION D'AGRAFES MULTIPLE**
[72] HU, ENCHENG, CN
[72] XU, SHUNHONG, CN
[72] TAN, YUANDONG, CN
[72] CHEN, LIN, CN
[72] CAI, LONGSHENG, CN
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[72] TANG, XIANGWEI, CN
[72] LUAN, CHUN, CN
[72] FU, SHENGBIN, CN
[72] DU, XIANTAO, CN
[72] ZHANG, FEINA, CN
[72] LIU, MINYONG, CN
[71] GUANGDONG MIDEA KITCHEN APPLIANCES MANUFACTURING CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
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[54] **NATURAL KILLER CELLS AND USES THEREOF**
[54] **CELLULES TUEUSES NATURELLES ET LEURS UTILISATIONS**
[72] MURPHY, BRIAN, US
[72] VOSKINARIAN-BERSE, VANESSA, US
[72] NORDBERG, ANDREA, US
[72] WILSON, KEITH, US
[72] KANG, LIN, US
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[54] **ENSEMBLE TAMIS POUR MACHINE DE TAMISAGE VIBRANTE**
[72] MARSHALL, DALE R., CA
[72] POMERLEAU, DANIEL, CA
[71] FP CANMECHANICA, INC., CA
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[72] GOLDBERG, STEVEN S., US
[72] JUSTIN, DANIEL F., US
[72] TRIPLETT, DANIEL J., US
[71] CATALYST ORTHOSCIENCE INC., US
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[72] CHERNIAVSKII, ILIA, US
[72] PERELYGIN, ALEXANDER, US
[72] LEE-GOLDMAN, RUSSELL, US
[71] FACEBOOK, INC., US
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[54] **FEDERATED APPLICATION SERVICES**
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[72] PENOV, FRANCISLAV, US
[72] MARUCHECK, MICHAEL J., US
[72] LONGINO, AUSTIN RANDOLPH, US
[71] FACEBOOK, INC., US
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[54] **SEPARATION DES IMPURETES D'UN FLUX FLUIDIQUE AU MOYEN DE PLUSIEURS CONTACTEURS A CO-COURANT**
[72] GRAVE, EDWARD J., US
[72] YEH, NORMAN K., US
[72] FREEMAN, STEPHANIE A., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
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[54] **STORAGE CONSTRAINED SYNCHRONIZATION OF SHARED CONTENT ITEMS**
[54] **SYNCHRONISATION RESTREINTE DE STOCKAGE D'ELEMENTS DE CONTENU PARTAGE**
[72] NEWHOUSE, BENJAMIN, US
[71] DROPBOX, INC., US
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[72] HUTZ, DAVID JAMES, US
[71] ALARM.COM INCORPORATED, US
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[54] **MARQUEURS DE CANCER ET LEURS PROCEDES D'UTILISATION**
[72] WONG, CHI-HUEY, US
[72] WU, CHUNG-YI, TW
[72] CHEUNG, SARAH K.C., TW
[72] CHUANG, PO-KAI, TW
[72] HSU, TSUI-LING, TW
[71] ACADEMIA SINICA, TW
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[25] EN
[54] **METHODS OF PRODUCING MOGROSIDES AND COMPOSITIONS COMPRISING SAME AND USES THEREOF**
[54] **PROCEDES DE PRODUCTION DE MOGROSIDES ET COMPOSITIONS LES COMPRENANT ET LEURS UTILISATIONS**
[72] ITKIN, MAXIM, IL
[72] DAVIDOVICH-RIKANATI, RACHEL, IL
[72] COHEN, SHAHAR, IL
[72] PORTNOY, VITALY, IL
[72] DORON-FAIGENBOIM, ADI, IL
[72] PETREIKOV, MARINA, IL
[72] SHEN, SHMUEL, IL
[72] TADMOR, YAAKOV, IL
[72] BURGER, YOSEF, IL
[72] LEWINSOHN, EFRAIM, IL
[72] KATZIR, NURIT, IL
[72] SCHAFER, ARTHUR A., IL
[72] OREN, ELAD, IL
[71] THE STATE OF ISRAEL, MINISTRY OF AGRICULTURE & RURAL DEVELOPMENT, AGRICULTURAL RESEARCH ORGANIZATION (ARO) (VOLCANI CENTER), IL
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[25] EN
[54] **HIGH-STRENGTH STEEL SHEET AND METHOD FOR MANUFACTURING THE SAME**
[54] **TOLE D'ACIER A HAUTE RESISTANCE ET SON PROCEDE DE PRODUCTION**
[72] KOHISAKA, NORIAKI, JP
[72] FUNAKAWA, YOSHIMASA, JP
[72] SAKURAI, MICHITAKA, JP
[72] SUZUKI, YOSHIKAZU, JP
[71] JFE STEEL CORPORATION, JP
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[54] **PROCESSING CONTAMINATED WATER CONTAINING VOLATILE COMPOUNDS VIA FLASH EVAPORATION**
[54] **TRAITEMENT D'UNE EAU CONTAMINEE CONTENANT DES COMPOSES VOLATILS PAR EVAPORATION ECLAIR**
[72] ELGAT, ZVI, IL
[71] ELCON RECYCLING CENTER (2003) LTD., IL
[85] 2017-06-29
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[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'UNE ARTERE**
[72] SINGH, AJOY L., IN
[71] SINGH, AJOY L., IN
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[86] 2015-12-23 (PCT/IN2015/050212)
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[54] **ENGRAIS A LIBERATION LENTE CONTENANT DU GLUTATHION OXYDE**

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[72] MOURI, TAKU, JP

[72] WATANABE, TOYOAKI, JP

[72] FU, YU, JP

[72] TAKAKA, NAOAKI, JP

[71] KANEKA CORPORATION, JP

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[54] **PRODUCTION METHOD OF THIAZOLE DERIVATIVE**

[54] **PROCEDE DE PRODUCTION D'UN DERIVE THIAZOLE**

[72] SUGITA, TAKAMASA, JP

[72] YANAGISAWA, ARATA, JP

[72] CHUJO, IWAOKI, JP

[72] TAGA, MASASHI, JP

[72] MIMURA, AKIHIRO, JP

[72] TADA, ATSUSHI, JP

[72] AOKI, MASASHI, JP

[71] KYOWA HAKKO KIRIN CO., LTD., JP

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[54] **SWARM IMMUNIZATION WITH ENVELOPES FROM CH505**

[54] **IMMUNISATION D'ESSAI AVEC DES ENVELOPPES DE CH505**

[72] HAYNES, BARTON F., US

[72] GAO, FENG, US

[72] KORBER, BETTE T., US

[72] HIRABER, PETER T., US

[71] DUKE UNIVERSITY, US

[71] LOS ALAMOS NATIONAL SECURITY, LLC, US

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[54] **INJECTION SITE TRAINING SYSTEM**

[54] **SYSTEME DE FORMATION AUX SITES D'INJECTION**

[72] FOSTER, CLARK B., US

[72] RIOS, GABRIELLE A., US

[72] CHRISTIE, BRUCE A., US

[72] TURNER, KHOI, US

[71] TRUINJECT CORP., US

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[13] A1

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[54] **COMBINATION TUMOR IMMUNOTHERAPY**

[54] **IMMUNOTHERAPIE ANTI-TUMORALE COMBINEE**

[72] KRIEG, ARTHUR M., US

[71] CHECKMATE PHARMACEUTICALS, INC., US

[85] 2017-06-29

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[54] **STEAM OPERATED INJECTION AND PRODUCTION DEVICE**

[54] **DISPOSITIF D'INJECTION ET DE PRODUCTION ACTIONNE PAR VAPEUR**

[72] GRECI, STEPHEN MICHAEL, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

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[54] **PASSIVELY LOCKING CONNECTOR**

[54] **CONNECTEUR A VERROUILLAGE PASSIF**

[72] MULLINS, CHANCE R., US

[71] FMC TECHNOLOGIES, INC., US

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[54] ENSEMBLE BOULON A FIL TOURNANT A MECANISME DE VERROUILLAGE
[72] VERBRUGGE, PETER, US
[72] HEUVEL, CHRIS VAN DEN, BE
[72] BEALL, ROGER, US
[72] HENDRIX, FLOYD, US
[71] THE CROSBY GROUP LLC, US
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[54] BORON NITRIDE NANOTUBE ENHANCED ELECTRICAL COMPONENTS
[54] COMPOSANTS ELECTRIQUES AMELIORES A NANOTUBES DE NITRURE DE BORE
[72] WHITNEY, R. ROY, US
[72] JORDAN, KEVIN C., US
[72] SMITH, MICHAEL W., US
[72] STEVENS, JONATHAN C., US
[71] BNNT, LLC, US
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[54] SUPPRESSION DE FORMATION NEO-INTIMALE SUITE A UNE CHIRURGIE VASCULAIRE, A L'AIDE D'INHIBITEURS DE CDK8
[72] RONINSON, IGOR B., US
[72] CUI, TAIXING, US
[71] UNIVERSITY OF SOUTH CAROLINA, US
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[54] TEMPORARY NIGHT PIPE CAP
[54] BOUCHON DE NUIT TEMPORAIRE POUR TUYAU
[72] SCHAAFF, MICHAEL J., US
[71] SCHAAFF, MICHAEL J., US
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[25] EN
[54] METHODS AND COMPOSITIONS FOR DETECTING ESOPHAGEAL NEOPLASIAS AND/OR METAPLASIAS IN THE ESOPHAGUS
[54] PROCEDES ET COMPOSITIONS DE DETECTION DE NEOPLASIES □SOPHAGIENNES ET/OU DE METAPLASIES □SOPHAGIENNES
[72] MARKOWITZ, SANFORD D., US
[72] WILLIS, JOSEPH E., US
[72] MOINOVA, HELEN, US
[72] LAFRAMBOISE, THOMAS, US
[72] DE LA CRUZ CABRERA, OMAR, US
[72] CHAK, AMITABH, US
[71] CASE WESTERN RESERVE UNIVERSITY, US
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[54] DECOLLAGE ET ATTERRISSAGE VERTICAUX A VOILURE TOURNANTE COMPRENANT UN MODE DE VOL VERS L'AVANT A VOILURE FIXE
[72] SEALE, JOSEPH B., US
[72] SLOAN, WALKER M., US
[71] SEALE, JOSEPH B., US
[71] SLOAN, WALKER M., US
[85] 2017-06-29
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[13] A1

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[54] **SYNTHETIC RIGIDIN ANALOGUES AS ANTICANCER AGENTS, SALTS, SOLVATES AND PRODRUGS THEREOF, AND METHOD OF PRODUCING SAME**
[54] **ANALOGUES SYNTHETIQUES DE RIGIDIN EN TANT QU'AGENTS ANTICANCEREUX, SELS, SOLVATES ET PROMEDICAMENTS DE CEUX-CI, ET LEUR PROCEDE DE PRODUCTION**
[72] MAGEDOV, IGOR, US
[72] ROGELJ, SNEZNA, US
[72] FROLOVA, LILIYA V., US
[72] KORNIENKO, ALEXANDER V., US
[71] NEW MEXICO TECH RESEARCH FOUNDATION, US
[71] MAGEDOV, IGOR, US
[71] ROGELJ, SNEZNA, US
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[71] KORNIENKO, ALEXANDER V., US
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[13] A1

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[54] **PROTHESE D'ARTICULATION FACETTAIRE**
[72] BLAIN, JASON, US
[71] SPINAL ELEMENTS, INC., US
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[54] **APPLICATEUR ANTISEPTIQUE**
[72] MINGIONE, LOUIS P., US
[72] DEGALA, SATISH, US
[72] TIURMOND, KENNETH BRUCE, US
[72] RUSTAD, ANDRE M., US
[72] MCMAHON, MICHAEL, US
[72] KRUPP, BENJAMIN T., US
[72] BEUCHAT, CHARLIE, US
[72] SINGH, MAYA P., US
[71] CAREFUSION 2200, INC., US
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[54] **COMPOSITIONS ET PROCEDES POUR TRAITER LE GLAUCOME**
[72] HILL, RICHARD A., US
[71] ORASIS MEDICAL, INC., US
[85] 2017-06-29
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[25] EN
[54] **VIDEO TRIGGERED ANALYSES**
[54] **ANALYSES DECLENCHEES PAR UNE VIDEO**
[72] MARTIN, BRIAN, US
[71] MORPHOTRUST USA, LLC, US
[85] 2017-06-29
[86] 2015-12-30 (PCT/US2015/068175)
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[30] US (62/098,036) 2014-12-30

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[13] A1

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[25] EN
[54] **METHOD FOR PROCESSING LIQUID RADIOACTIVE WASTE AND FOR THE RECOVERY THEREOF**
[54] **PROCEDE DE TRAITEMENT DE DECHETS RADIOACTIFS LIQUIDES ET DE RECYCLAGE DE CES DERNIERS**
[72] REMEZ, VICTOR PAVLOVICH, RU
[71] EKSORBIT LTD, RU
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[54] **BISPECIFIC ANTIBODIES AGAINST PLASMA KALLIKREIN AND FACTOR XII**
[54] **ANTICORPS BISPECIFIQUES AGISSANT A L'ENCONTRE LA KALLICREINE PLASMATIQUE ET DU FACTEUR XII**
[72] COMEAU, STEPHEN R., US
[72] NIXON, ANDREW, US
[72] KASTRAPELI, NIKSA, US
[72] KENNISTON, JON A., US
[72] CONLEY, GREGORY P., US
[72] MASON, SHAUNA, US
[72] LINDBERG, ALLISON P., US
[72] KOPACZ, KRISTOPHER, US
[72] ADELMAN, BURT, US
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[54] **SYSTEMES ET PROCEDES DE COMMANDE DE FORAGE DIRECTIONNEL POUR PUITTS D'HYDROCARBURES**
[72] BANIRAZI-MOTLAGHI, REZA, US
[72] PENN, MARK CHARLES, US
[72] PINK, ANTHONY, US
[72] SMITH, JOSEPH KYLE, US
[71] NATIONAL OILWELL VARCO, L.P., US
[85] 2017-06-29
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[30] US (14/627,581) 2015-02-20

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[51] Int.Cl. A61K 35/17 (2015.01)
[25] EN
[54] **METHODS OF TREATING HEMATOLOGICAL DISORDERS, SOLID TUMORS, OR INFECTIOUS DISEASES USING NATURAL KILLER CELLS**
[54] **METHODES DE TRAITEMENT DE TROUBLES HEMATOLOGIQUES, DE TUMEURS SOLIDES, OU DE MALADIES INFECTIEUSES A L'AIDE DE CELLULES TUEUSES NATURELLES**
[72] KANG, LIN, US
[72] ZHANG, XIAOKUI, US
[72] HARRIS, JEFFREY, US
[72] JANKOVIC, VLADIMIR, US
[71] ANTHROGENESIS CORPORATION, US
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[87] (WO2016/109668)
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[54] **METHODS AND COMPOSITIONS FOR TARGETED GENE TRANSFER**
[54] **PROCEDES ET COMPOSITIONS DESTINES AU TRANSFERT DE GENES CIBLE**
[72] ASOKAN, ARAVIND, US
[72] MURLIDHARAN, GIRIDIJAR, US
[72] SHEN, SHEN, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2017-06-29
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[51] Int.Cl. C08B 15/00 (2006.01) C08H 8/00 (2010.01) B82B 3/00 (2006.01) C08B 1/00 (2006.01) C08B 15/08 (2006.01)
[25] EN
[54] **SULFITE-BASED PROCESSES FOR PRODUCING NANOCELLULOSE, AND COMPOSITIONS AND PRODUCTS PRODUCED THEREFROM**
[54] **PROCESSUS A BASE DE SULFITES POUR PRODUIRE DE LA NANOCELLULOSE, ET COMPOSITIONS ET PRODUITS AINSI OBTENUS**
[72] NELSON, KIMBERLY, US
[72] RETSINA, THEODORA, US
[72] PYLKKANEN, VESA, US
[72] O'CONNOR, RYAN, US
[71] API INTELLECTUAL PROPERTY HOLDINGS, LLC, US
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[30] US (61/921,535) 2013-12-30
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[51] Int.Cl. A61K 48/00 (2006.01) C07H 21/04 (2006.01) C07K 14/47 (2006.01)
[25] EN
[54] **NOVEL MICRO-DYSTROPHINS AND RELATED METHODS OF USE**
[54] **NOUVELLES MICRO-DYSTROPHINES ET METHODES D'UTILISATION ASSOCIEES**
[72] CHAMBERLAIN, JEFFREY S., US
[72] RAMOS, JULIAN, US
[72] HAUSCHKA, STEPHEN D., US
[71] UNIVERSITY OF WASHINGTON, US
[85] 2017-06-29
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[87] (WO2016/115543)
[30] US (62/104,537) 2015-01-16

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[13] A1
[51] Int.Cl. G06F 9/50 (2006.01) G06F 9/44 (2006.01) G06F 15/16 (2006.01) H04L 12/24 (2006.01)
[25] EN
[54] **CLASSIFICATION BASED AUTOMATED INSTANCE MANAGEMENT**
[54] **GESTION D'INSTANCE AUTOMATISEE BASEE SUR UNE CLASSIFICATION**
[72] THIMMAPPA, MOHAN, US
[72] GUVENILIR, ABBAS, US
[72] TADINADA, MAALIKA, US
[71] SERVICENOW, INC., US
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[25] EN
[54] **COMPOSITION FOR ENHANCING THE PROPERTIES OF A SUBSTRATE AND METHOD FOR MAKING THE SAME**
[54] **COMPOSITION PERMETTANT D'AMELIORER LES PROPRIETES D'UN SUBSTRAT ET SON PROCEDE DE PREPARATION**
[72] PATEL, VINAY G., US
[72] SELPH, JEFFREY L., US
[71] XO SCIENCE LLC, US
[85] 2017-06-29
[86] 2015-12-31 (PCT/US2015/068261)
[87] (WO2016/109788)
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[13] A1

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[54] **VAPOR ABLATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES D'ABLATION A LA VAPEUR**
[72] HASTINGS, ROGER NOEL, US
[72] CARLSON, STEVEN, US
[72] SCHROM, MARK, US
[72] HOEY, MICHAEL, US
[71] NXTHERA, INC., US
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[87] (WO2016/123498)
[30] US (62/109,540) 2015-01-29

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[54] **DETECTION D'ANIMATION FACIALE**
[72] MARTIN, BRIAN, US
[71] MORPHOTRUST USA, LLC, US
[85] 2017-06-29
[86] 2015-12-31 (PCT/US2015/068357)
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[30] US (62/098,575) 2014-12-31
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[25] EN
[54] **FCRN ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS FCRN ET LEURS PROCEDES D'UTILISATION**
[72] KEIRY, MARILYN, US
[72] KING, DAVID J., US
[72] LING, LEONA E., US
[72] MEADOR, JAMES, III, US
[72] ROY, SUCHARITA, US
[72] MANNING, ANTHONY, US
[71] MOMENTA PHARMACEUTICALS, INC., US
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[86] 2016-01-29 (PCT/US2016/015720)
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[30] US (62/110,071) 2015-01-30
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[13] A1

[51] **Int.Cl. F15B 13/01 (2006.01) F15B 13/044 (2006.01) F15B 15/18 (2006.01)**
[25] EN
[54] **SELF-CONTAINED ENERGY EFFICIENT HYDRAULIC ACTUATOR SYSTEM**
[54] **SYSTEME D'ACTIONNEUR HYDRAULIQUE ECONOMIQUE EN ENERGIE AUTONOME**
[72] CHESTER, MARK V., US
[71] MEA INC., US
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[30] US (14/511,463) 2014-10-10

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[13] A1

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[25] EN
[54] **UNIT DOSE DISPENSING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE DOSE UNITAIRE**
[72] WILSON, EDITH, US
[72] MORENO, GERARDO, US
[72] TREJO, GUILLERMO, US
[72] MEHTA, VIKRAM, US
[72] BERKEN, LLOYD, US
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[54] **PROCEDES ET DISPOSITIFS DE DISPERSION DE POUDRE**
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[72] DEATON, DAN, US
[72] HANNON, JAMES, US
[72] SMYTH, HUGH, US
[72] XU, ZHEN, US
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[25] EN
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[54] POLYTHERAPIE UTILISANT UN CONJUGUE ANTICORPS-MEDICAMENT ANTI-CD19 (CD19-ADC) ET DE LA VINCRISTINE
[72] LAW, CHE-LEUNG, US
[72] STONE, IVAN, US
[71] SEATTLE GENETICS, INC., US
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[54] APPAREIL ET PROCEDE DE MODIFICATION DE FORCE AXIALE
[72] CAMPBELL, JOSH, CA
[71] ANDERSON, CHARLES ABERNETHY, CA
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[54] INDICATION DE LIAISON EN REFERENCE AU CONTENU EN VUE D'UNE PRESENTATION AU NIVEAU D'UN DISPOSITIF MOBILE
[72] MCCANN, STEPHEN, GB
[72] MONTECURRO, MICHAEL PETER, CA
[72] HOLE, DAVID PHILIP, GB
[71] BLACKBERRY LIMITED, CA
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[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] ANTICORPS MONOCLONAL ANTI-PD-1 ET SON PROCEDE D'OBTENTION
[72] ZHOU, HAIPING, CN
[72] LI, XIAOMIN, CN
[72] ZHOU, JUNJIE, CN
[72] PEI, SHUANG, CN
[72] ZAN, YANLIU, CN
[72] BAI, YI, CN
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[54] COMPOSITION PHARMACEUTIQUE DE SULFONAMIDE
[72] WU, YI JUANG, CN
[72] YAO, XIAOQING, CN
[72] SUN, CHANGHAI, CN
[72] TIAN, LI, CN
[72] ZHAO, XINYING, CN
[72] HAN, ZHIHONG, CN
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[54] COMPOSE D'HYDRAZIDE TRIFLUOROACETIQUE AINSI QUE SON PROCEDE DE PREPARATION ET SON APPLICATION DANS LA PREPARATION D'UN MEDICAMENT
[72] WANG, YUQIANG, CN
[72] CHEN, HAIYUN, CN
[72] ZHANG, ZAIJUN, CN
[72] ZHANG, GAOXIAO, CN
[72] YU, PEI, CN
[72] SUN, YEWEL, CN
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[54] **PROCEDES EX VIVO POUR MINIMISER LES RISQUES ET MAXIMISER LES EFFETS BENEFIQUES D'UNE TRANSFUSION DE SANG ALLOGENIQUE ET GREFFE DE MOELLE**
[72] ZILBERBERG, JENNY, US
[72] LEE, WOO, US
[72] KORNGOLD, ROBERT, US
[71] HACKENSACK UNIVERSITY MEDICAL CENTER, US
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[72] GOODWIN, SCOTT, US
[72] ROBERSON, MARK, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **AN APPARATUS AND METHOD FOR DISPLAYING CONTENT**
[54] **APPAREIL ET PROCEDE D'AFFICHAGE DE CONTENU**
[72] GOLDSTEIN, BEN ZION YITZCHAK, US
[71] ASHIKELON EYEWEAR TECHNOLOGIES LTD, IL
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[54] **DISPOSITIF DE TRANSPORT DE BOISSONS/D'ALIMENTS COMMANDES ET DISPOSITIF DE TRANSPORT DE BOISSONS/D'ALIMENTS**
[72] ISHINO, HARUKI, JP
[72] MOTOOKA, KUNIHICO, JP
[72] KUBO, SHIGERU, JP
[71] ISHINO SEISAKUSHO CO., LTD., JP
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[54] **TETE DE DEVERSEMENT DE LIQUIDE, UNITE DE DEVERSEMENT DE LIQUIDE, ET DISPOSITIF POUR DEVERSER UN LIQUIDE**
[72] KOHIDA, TOMOHIKO, JP
[72] YOSHIDA, TAKAHIRO, JP
[72] ANDOU, SHIOMI, JP
[72] NAKAI, TAKAYUKI, JP
[72] ABE, KANSHI, JP
[72] SHIMIZU, TAKESHI, JP
[72] KASAHARA, RYO, JP
[71] RICOH COMPANY, LTD., JP
[85] 2017-06-30
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[25] EN
[54] **TERMINAL DEVICE, BASE STATION DEVICE, RADIO COMMUNICATION METHOD, AND INTEGRATED CIRCUIT**
[54] **TERMINAL, STATION DE BASE, PROCEDE DE COMMUNICATION ET CIRCUIT INTEGRE**
[72] TSUBOI, HIDEKAZU, JP
[72] UEMURA, KATSUNARI, JP
[72] KATO, YASUYUKI, JP
[72] YAMADA, SHOHEI, JP
[71] SHARP KABUSHIKI KAISHA, JP
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[25] EN
[54] **TERMINAL DEVICE, BASE STATION DEVICE, CONTROL METHOD, AND INTEGRATED CIRCUIT**
[54] **DISPOSITIF TERMINAL, DISPOSITIF DE STATION DE BASE, PROCEDE DE COMMANDE, ET CIRCUIT INTEGRE**
[72] TSUBOI, HIDEKAZU, JP
[72] UEMURA, KATSUNARI, JP
[72] KATO, YASUYUKI, JP
[72] YAMADA, SHOHEI, JP
[71] SHARP KABUSHIKI KAISHA, JP
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[54] **POUDRE DE FER REDUIT ET SON PROCEDE DE PREPARATION ET PALIER**
[72] MACHIDA, SATOSHI, JP
[72] NAKAMURA, NAOMICHI, JP
[71] JFE STEEL CORPORATION, JP
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[54] **BOISSON EFFERVESCENTE ET PROCEDE S'Y RAPPORTANT**
[72] SHIRAI, MASANORI, JP
[72] NARITA, HIDEKAZU, JP
[72] SAWAI, NORIKATSU, JP
[72] YANAGAWA, KOJI, JP
[71] SAPPORO HOLDINGS LIMITED, JP
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[25] EN
[54] **ELECTRODE CATALYST, COMPOSITION FOR FORMING GAS DIFFUSION ELECTRODE, GAS DIFFUSION ELECTRODE, MEMBRANE-ELECTRODE ASSEMBLY, AND FUEL CELL STACK**
[54] **CATALYSEUR D'ELECTRODE, COMPOSITION DE FORMATION D'ELECTRODE A DIFFUSION DE GAZ, ELECTRODE A DIFFUSION DE GAZ, ENSEMBLE MEMBRANE-ELECTRODE, ET EMPILEMENT DE PILES A COMBUSTIBLE**
[72] NAGAMORI, KIYOTAKA, JP
[72] MIZUSAKI, TOMOTERU, JP
[72] NAKAMURA, YOKO, JP
[72] IGARASHI, HIROSHI, JP
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[71] N.E. CHEMCAT CORPORATION, JP
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[25] EN
[54] **PLANTS HAVING INCREASED TOLERANCE TO HERBICIDES**
[54] **PLANTES PRESENTANT UNE TOLERANCE ACCRUE AUX HERBICIDES**
[72] SCHACHTSCHABEL, DOREEN, DE
[72] STEINHARDT, BIRGIT, DE
[72] SISAY, MIHIRET TEKESTE, DE
[72] TRESCH, STEFAN, DE
[72] MAJOR, JULIA, DE
[72] VOGT, FLORIAN, DE
[72] CALO, FREDERICK, DE
[72] LERCHL, JENS, DE
[71] BASF SE, DE
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[54] **TELEMESURE DE TUYAU A BASE D'ONDE DE STONELEY**
[72] CHEMALI, ROLAND E., US
[72] DIRKSEN, RONALD J., US
[72] RODNEY, PAUL F., US
[72] CHIENG, ARTHUR C. H., US
[72] CHEN, TIANRUN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **PERMITTED ASSIGNMENT USER INTERFACE**
[54] **INTERFACE UTILISATEUR D'ATTRIBUTION AUTORISEE**
[72] AZMOON, TROY, US
[71] SERVICENOW, INC., US
[85] 2017-06-30
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[54] **ULTRA WIDE BAND DETECTORS**
[54] **DETECTEURS A BANDE ULTRA LARGE**
[72] MORTON, EDWARD JAMES, GB
[72] PEYTON, ANTHONY J., GB
[71] RAPISCAN SYSTEMS, INC., US
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[25] EN
[54] **MULTI-SURFACE VISCOSITY MEASUREMENT**
[54] **MESURE DE VISCOSITE DE SURFACES MULTIPLES**
[72] GAJJI, BHARGAV, US
[72] BHAIKASNA, KETAN CHIMANLAL, US
[72] MORGAN, RICHARD GARY, US
[72] SISTA, SUBRAHMANYAM SURYA VENKATA, IN
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **MIXTURE OF CARBOXYLIC ACIDS FOR TREATING PATIENTS WITH KIDNEY FAILURE**
[54] **MELANGE D'ACIDES CARBOXYLIQUES POUR TRAITER DES PATIENTS AVEC UNE INSUFFISANCE RENALE**
[72] HERNANDEZ MIRAMONTES, JORGE ANTONIO, MX
[72] HERNANDEZ VILLANUEVA, JORGE ALBERTO, MX
[71] HERNANDEZ MIRAMONTES, JORGE ANTONIO, MX
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[30] MX (MX/a/2015/003641) 2015-03-20

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[25] EN
[54] **MOBILE SAFETY PLATFORM**
[54] **PLATEFORME DE SECURITE MOBILE**
[72] MARTIN, SCOTT, US
[72] STEARNS, RODNEY, US
[72] SUNDAR, DEEPAK, US
[71] DRIVEN BY SAFETY, INC., US
[85] 2017-06-30
[86] 2015-12-30 (PCT/US2015/068115)
[87] (WO2016/109703)
[30] US (62/099,226) 2015-01-02

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[25] EN
[54] **APPARATUS AND METHOD OF MAINTAINING ACCURATE PERPETUAL INVENTORY INFORMATION**
[54] **APPAREIL ET PROCEDE DE MAINTIEN D'INFORMATIONS D'INVENTAIRE PERMANENTES ET PRECISES**
[72] DIXON, GREGORY D., US
[72] TAYLOR, ASHLEY D., US
[72] UTTING, ROBERT W., JR., US
[72] EATON, JESSE L., US
[72] IM, SARAH L., US
[71] WAL-MART STORES, INC., US
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[25] EN
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[54] DISPOSITIF DE STABILISATION DE PUISSANCE TRANSITOIRE A REGULATION DE PUISSANCE ACTIVE ET REACTIVE
[72] YANG, MENGBIN, US
[72] TAIMELA, PASI, US
[72] OLIVO, TONY, US
[72] JOHNSON, ROBERT WILLIAM, US
[72] BALAKRISHNAN, GOPI, US
[71] FLEXGEN POWER SYSTEMS, INC., US
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[30] US (62/097,691) 2014-12-30

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[25] EN
[54] FAILURE RESISTANT DISTRIBUTED COMPUTING SYSTEM
[54] SYSTEME INFORMATIQUE DISTRIBUE RESISTANT AUX DEFAILLANCES
[72] CHANDRASHEKAR, SRIDHAR, US
[72] PATEL, SWAPNESH, US
[72] SHAH, VIRAL, US
[72] GARG, ANURAG, US
[72] CHABLANI, ANJALI, US
[71] SERVICE NOW, INC., US
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[30] US (62/098,430) 2014-12-31

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[25] EN
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[54] SYSTEME ET PROCEDE DE SURVEILLANCE D'EMISSION DE GAZ DE PRODUITS PERISSABLES
[72] TAYLOR, JOSEPH D., US
[71] WAL-MART STORES, INC., US
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[72] TROSS, MARTIN, US
[71] PAHMET LLC, US
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[54] COMMUTEUR DE PUISSANCE DE MISE EN PARALLELE DE COMMUNICATIONS IOT
[72] BRANTNER, PAUL, US
[72] TETREAULT, MICHAEL, US
[72] FERGUSON, ERIC, US
[72] DAVIS, DAVID, US
[72] MONTEITH, SHAWN, US
[72] MURRAY, MICHAEL, US
[72] DJAKOVIC, VLADAN, US
[71] IDEVICES, LLC, US
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[72] VAN HEUGHTEN, ANTHONY, US
[71] E-VISION SMART OPTICS, INC., US
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[72] KOZY, HEATHER, US

[72] O'REAR, JESSICA, US

[72] ROSEN, BARBARA, US

[72] SCHELLENBERGER, UTE, US

[72] WEI, JUN-ZHI, US

[72] XIE, WEIPING, US

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[72] ZHU, GENHAI, US

[71] **PIONEER HI-BRED INTERNATIONAL, INC., US**

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[72] BROPHY, COLLEEN, US

[72] PETERSON, CARYN, US

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[54] **PROCEDE ET DISPOSITIF DE DEMANDE DE REPETITION AUTOMATIQUE HYBRIDE DE CODE POLAIRE, ET DISPOSITIF DE RADIOCOMMUNICATION**

[72] SHEN, HUI, CN

[72] LI, BIN, CN

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[71] **HUAWEI TECHNOLOGIES CO., LTD., CN**

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[72] PIAO, CHENGHAO, CN

[72] KIMRA, TAKEYOSHI, JP

[72] RA, YOTAKU, JP

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[71] **CHANGCHUN UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN**

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[54] **SUBSTITUTED IMIDAZO [1, 2-A] PYRIDIN-2-YLAMINE COMPOUNDS, AND PHARMACEUTICAL COMPOSITIONS AND METHODS OF USE THEREOF**

[54] **COMPOSES D'IMIDAZO[1,2-A]PYRIDIN-2-YLAMINE SUBSTITUES, COMPOSITIONS PHARMACEUTIQUES ET LEURS METHODES D'UTILISATION**

[72] LI, JIN, CN

[72] WU, SHUNG, US

[72] YANG, MINMIN, CN

[72] CHEN, SEAN, US

[72] HAO, WENSHAN, US

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[72] GRANSTROM, MARI, SE

[71] **STORA ENSO OYJ, FI**

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[72] BICALHO, RODRIGO CARVALHO, US
[71] CORNELL UNIVERSITY, US
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[72] VIDLUND, ZACH, US
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[72] SILVERNAIL, CARTER M., US

[71] ECOLAB USA INC., US

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[54] **PROCESSES AND SYSTEMS FOR PREPARING NUCLEIC ACID SEQUENCING LIBRARIES AND LIBRARIES PREPARED USING SAME**

[54] **PROCEDES ET SYSTEMES DE PREPARATION DE LIBRAIRIES DE SEQUENCAGE D'ACIDE NUCLEIQUE ET LIBRAIRIES PREPAREES AU MOYEN DE CEUX-CI**

[72] HARDENBOL, PAUL, US

[72] PATEL, PRANAV, US

[72] HINDSON, BENJAMIN, US

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[72] SUN, PEI, US

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[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US

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[72] YU, HUA, US

[71] CITY OF HOPE, US

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[54] **MOLECULES DE LIAISON AUX RECEPTEURS DE LA SUPERFAMILLE DES FACTEURS DE NECROSE TUMORALE (TNF) ET LEURS UTILISATIONS**

[72] WANG, BEATRICE TIEN-YI, US

[72] SCHWARZER, MAX ALLEN, US

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[72] BALIGA, RAMESH, US

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[72] MARTINOD, SERGE, US

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[54] **SYSTEME ET PROCEDE D'UTILISATION DE ROBOTS POUR ASSISTER DES PERSONNES DANS L'EXECUTION D'ORDRES**
[72] WISE, MELONEE, US
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[72] FRANK, JOANNE D., US
[71] EXTENDER LLC, US
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[30] CN (201510015929.6) 2015-01-12

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[54] **A SYSTEM FOR IMPLEMENTING SCRIPT OPERATION IN A PRESET EMBEDDED SYSTEM**
[54] **SYSTEME EXECUTANT UNE OPERATION DE SCRIPT DANS UN SYSTEME INCORPORE PREETABLI**
[72] SHI, JIAQI, CN
[71] YUTOU TECHNOLOGY (HANGZHOU) CO., LTD., CN
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[54] **TUBE COMPOSITE EN BOIS DE BAMBOU DE TYPE THERMODURCISSABLE**
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[72] ZHU, XIN, CN
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[72] ZHOU, LINYING, CN
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[51] **Int.Cl. C12Q 1/68 (2006.01)**
[25] EN
[54] **USING SIZE AND NUMBER ABERRATIONS IN PLASMA DNA FOR DETECTING CANCER**
[54] **UTILISATION DES ABERRATIONS EN TAILLE ET NOMBRE DANS L'ADN PLASMATIQUE POUR DEPISTER LE CANCER**
[72] LO, YUK-MING DENNIS, CN
[72] CHIU, ROSSA WAI KWUN, CN
[72] CHAN, KWAN CHEE, CN
[72] JIANG, PIUYONG, CN
[71] THE CHINESE UNIVERSITY OF HONG KONG, CN
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[51] **Int.Cl. H01M 8/06 (2016.01) H01M
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[25] EN

[54] **METHOD AND SYSTEM FOR
PRODUCING CARBON DIOXIDE
AND ELECTRICITY FROM A
GASEOUS HYDROCARBON FEED**

[54] **PROCEDE ET SYSTEME DE
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PREMIERE HYDROCARBURE
GAZEUSE**

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[71] SATA GMBH & CO. KG, DE
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[54] FILTRE ET DISPOSITIF DE FILTRAGE
[72] RIIHIMAKI, TEPPU, FI
[72] KAURA, ANTTI, FI
[72] KOKKO, LAURI, FI
[72] AUTIO, JOAKIM, FI
[71] VALMET TECHNOLOGIES OY, FI
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[72] HODGKINSON, GERALD, US
[72] RACENET, DAVID, US
[72] PRIBANIC, RUSSELL, US
[72] MARCZYK, STANISLAW, US
[72] KOSTRZEWSKI, STANISLAW, US
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[71] YOSHINO KOGYOSHO CO., LTD., JP
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[72] SOMMER, SIEGRID, DE
[72] SCHNELL, TORSTEN, DE
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[72] PRIBANIC, RUSSELL, US

[72] RINALDI, PAUL, US

[72] CHOWANIEC, MATTHEW, US

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[54] **APPAREIL D'EXAMEN DU COURRIER**

[72] MARCHESE, LINDA, CA

[72] BERGERON, ALAIN, CA

[72] GIROUX, ERIC, CA

[72] TERROUX, MARC, CA

[71] RAYSECUR INC., CA

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[54] **PROCEDE CONTINU, ET SYSTEME POUR LA PASTEURISATION OU LA STERILISATION DE DENREES ALIMENTAIRES DANS UN CONTENEUR RIGIDE SUIVIE DE SA FERMETURE SOUS VIDE PROFOND PAR INJECTION DE VAPEUR ROTATIVE ET REFROIDISSEMENT RAPIDE HOMOGENE**

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[54] **SOLUTIONS AQUEUSES STABLES AU STOCKAGE DE DIOXYDE DE CHLORE ET PROCEDES DE FABRICATON ET D'UTILISATION DE CES SOLUTIONS**

[72] MCWHORTER, THOMAS, US

[72] ROSENBLATT, AARON, US

[72] SHAY, ROBERT, US

[72] KERAMATI, BARZIN, US

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[54] **PROCEDES ET COMPOSITIONS POUR LA DETERMINATION DE PHENOTYPE A TOLERANCE VIS-A-VIS DU GREFFON CHEZ UN SUJET**

[72] MANSFIELD, ELAINE, US
[72] SARWAL, MINNIE, US
[72] BROUARD, SOPHIE, FR
[72] SOULILLOU, JEAN-PAUL, FR
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR

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[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DES TROUBLES OCULAIRES**

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[72] BURNIER, JOHN, US
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[72] BEISSBATH, TIM, DE
[72] TYE-DIN, JASON, AU
[71] BTG INTERNATIONAL LIMITED, GB
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[54] **USE OF TAM RECEPTOR INHIBITORS AS IMMUNOENHANCERS AND TAM ACTIVATORS AS IMMUNOSUPPRESSORS**

[54] **UTILISATION D'INHIBITEURS DE RECEPTEURS TAM EN TANT QU'IMMUNOSTIMULATEURS ET ACTIVATEURS TAM EN TANT QU'IMMUNOSUPPRESSEURS**

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[71] THE SALK INSTITUTE FOR BIOLOGICAL STUDIES, US
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[54] **VARIANTS MULTIPLES DE LA PROTEINE NMB1870 MENINGOCOCCIQUE**

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[72] PIZZA, MARIAGRAZIA, IT
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[54] **2,6-DIAMINO-PYRIMIDIN-5-YL-CARBOXAMIDES COMME INHIBITEURS D'ACTIVITE DE SYK OU DE JAK KINASE**

[72] BAUER, SHAWN M., US
[72] JIA, ZHAOZHONG J., US
[72] SONG, YONGHONG, US
[72] XU, QING, US
[72] MEHROTRA, MUKUND, US
[72] ROSE, JACK W., US
[72] HUANG, WOLIN, US
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[72] NG, HOWARD, US

[72] WEIGELE, MANFRED, US

[72] MORAN, MAGDALENE, US

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[54] **SYSTEMES DE LIBERATION CHRONOCONTROLEE PAR IMPULSIONS**

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[71] ADARE PHARMACEUTICALS, INC., US

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[54] **SYNTHESE ET ACTIVITE ANTICANCEREUSE DE DERIVES D'ARYL ET D'HETEROARYL-QUINOLEINE**

[72] KUO, SHENG-CHIU, CN

[72] LEE, KUO-HSIUNG, CN

[72] HUANG, LI-JIAU, CN

[72] CHOU, LI-CHEN, CN

[72] WU, TIAN-SHUNG, CN

[72] WAY, TZONG-DER, CN

[72] CHUNG, JING-GUNG, CN

[72] YANG, JAI-SING, CN

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[72] MAROM, KAREN, IL
[72] WEINSTEIN, IRINA, IL
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[54] IRE-1.ALPHA. INHIBITORS
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[72] LONERGAN, DAVID GREGORY, US
[72] PALLAI, PETER V., US
[72] PATTERSON, JOHN BRUCE, US
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[72] WILSON, RICHARD L., US
[72] KLAUSMEYER, RODNEY L., US
[72] DAWKINS, JOHN LEE, US
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[72] STRATHIE, JAMES S., US
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[72] BAZIUK, OKSANA L., CA
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[72] WEISSMAN, IRVING L., US
[71] THE BOARD OF TRUSTEES OF THE IELAND STANFORD JUNIOR UNIVERSITY, US
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[54] CSAR ANTAGONISTS
[54] ANTAGONISTES DE CSAR
[72] FAN, PINGCHEN, US
[72] GREENMAN, KEVIN LLOYD, US
[72] LELETI, MANMOHAN REDDY, US
[72] LI, YANGDONG, US
[72] POWERS, JAY, US
[72] TANAKA, HIROKO, US
[72] YANG, JU, US
[72] ZENG, YIBIN, US
[71] CHEMOCENTRYX, INC., US
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[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT, ET DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] ASAKA, CHISEI, JP
[72] KAMINISHI, KENSUKE, JP
[72] KASUYA, MASAHIKO, JP
[72] MORITA, YASUYUKI, JP
[72] OIKE, NORIFUMI, JP
[72] SUGIMOTO, TOMOHIRO, JP
[72] TAIRA, SHINYA, JP
[72] TAKEDA, NAKAJI, JP
[72] TOYOTA, NAOMICHI, JP
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[54] **DIARYLHYDANTOIN COMPOUNDS**
[54] **COMPOSES DE DIARYL-HYDANTOINE**
[72] JUNG, MICHAEL E., US
[72] YOO, DONGWON, US
[72] SAWYERS, CHARLES L., US
[72] TRAN, CHRIS, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[30] US (60/996,076) 2007-10-26

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[25] EN
[54] **CHEMICALS, COMPOSITIONS, AND METHODS FOR TREATMENT AND PREVENTION OF ORTHOPOXVIRUS INFECTIONS AND ASSOCIATED DISEASES**
[54] **PRODUITS CHIMIQUES, COMPOSITIONS ET PROCÉDÉS DE TRAITEMENT ET DE PREVENTION DES INFECTIONS A ORTHOPOXVIRUS ET DES MALADIES ASSOCIÉES**
[72] JORDAN, ROBERT, US
[72] BAILEY, THOMAS R., US
[72] RIPPIN, SUSAN R., US
[72] DAI, DONGCHENG, US
[71] SIGA TECHNOLOGIES, INC., US
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[54] **PARAFFINIC FROTH TREATMENT TECHNIQUES**
[54] **TECHNIQUES DE TRAITEMENT DE MOUSSE PARAFFINIQUE**
[72] HYNDMAN, ALEXANDER WILLIAM, CA
[72] RINGSTROM, JOHN PATRICK, CA
[72] SHARPE, JOHN, CA
[72] BARTLETT, DOUGLAS ROBERT, CA
[72] HINDLE, W. SCOTT, CA
[72] GRANT, CHRIS L., CA
[71] FORT HILLS ENERGY L.P., CA
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[25] EN
[54] **METHODS FOR IDENTIFYING FACTORS FOR DIFFERENTIATING DEFINITIVE ENDODERM**
[54] **METHODS D'IDENTIFICATION DE FACTEURS POUR DIFFÉRENCIER L'ENDODERME DÉFINITIF**
[72] DYAMOUR, KEVIN ALLEN, US
[72] AGULNICK, ALAN D., US
[72] ELIAZER, SUSAN, US
[72] BAETGE, EMMANUEL, US
[71] VIACYTE, INC., US
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[41] 2006-02-16
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[30] US (60/586,566) 2004-07-09
[30] US (60/587,942) 2004-07-14
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[25] EN
[54] **METHOD FOR PRODUCING A TOWER SEGMENT OF A WIND ENERGY INSTALLATION**
[54] **METHODE DE PRODUCTION D'UN SEGMENT DE TOUR D'UNE TOUR EN BETON D'UNE INSTALLATION D'ENERGIE EOLIENNE**
[72] KAPITZA, JAN, DE
[72] ALBERS, KARSTEN, DE
[72] HORN, GUNTHER, DE
[71] WOBBIEN PROPERTIES GMBH, DE
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[54] CURLING BRUSH WITH IMPROVED PRESSURE DISTRIBUTION, SNAP-FIT HEAD ASSEMBLY, MOULDED BRUSH PAD AND PIVOT LIMITING MEANS
[54] BROSSE DE CURLING A DISTRIBUTION DE PRESSION AMELIOREE, ENSEMBLE DE TETE A ENCLenchement, TAMPON DE BROSSE MOULE ET MECANISMES LIMITEURS DE PIVOTEMENT
[72] SANDE, GERALD, CA
[72] SANDE, JENNIFER, CA
[71] SANDE, GERALD, CA
[71] SANDE, JENNIFER, CA
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[54] AZOLE COMPOUNDS AS CORROSION INHIBITORS
[54] COMPOSES D'AZOLE UTILISES EN TANT QU'INHIBITEURS DE CORROSION
[72] MORRIS, ERIC L., US
[71] PRC-DESOTO INTERNATIONAL, INC., US
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[41] 2014-09-25
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[54] APPARATUS AND METHODS FOR HEMODIALYSIS
[54] APPAREIL ET PROCEDES D'HEMODIALYSE
[72] KAMEN, DEAN, US
[72] GRANT, KEVIN L., US
[72] DEMERS, JASON A., US
[72] DALE, JAMES D., US
[72] COLLINS, DAVID E., US
[72] WILT, MICHAEL J., US
[72] PRESCOTT, SHANNON, US
[72] MARCEK, GEOFFREY A., US
[72] BODWELL, JESSE T., US
[72] CHAWAN, ARUN D., US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
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[54] APPAREIL ET PROCEDES D'HEMODIALYSE
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[72] DEMERS, JASON A., US
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[54] APPAREIL D'ENROULAGE A TREUIL POUR TREUILS DE PLATEFORME
[72] BUJOLD, HERMEL, CA
[72] FORTIN, JACQUES, CA
[72] GIRARD, VINCENT, CA
[72] THERIAULT, PIERRE, CA
[72] TAILLON, MICHEL, CA
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[54] **WIDEBAND CABLE SYSTEM**

[54] **SYSTEME PAR CABLE LARGE BANDE**

[72] CHAPMAN, JOHN T., US

[72] DEAN, ALVAR A., US

[72] SANTARPIO, RICHARD J., US

[72] PROKOPIK, JOHN P., US

[72] HEALY, MICHAEL J., US

[71] CISCO TECHNOLOGY, INC., US

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[54] **CONNECTOR FOR FLUID COMMUNICATION**

[54] **RACCORD POUR COMMUNICATION FLUIDIQUE**

[72] SJOGREN, JESPER, SE

[72] ULLMAN, FRIEDERIK, SE

[71] BECTON DICKINSON AND COMPANY LTD., IE

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[54] **METHODS FOR REDUCING OXIDATIVE DAMAGE**

[54] **METHODES DE REDUCTION DE LESIONS PAR OXYDATION**

[72] SZETO, HAZEL H., US

[71] CORNELL RESEARCH FOUNDATION, INC., US

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[54] **METHODES DE REDUCTION DE LESIONS PAR OXYDATION**

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[71] CORNELL RESEARCH FOUNDATION, INC., US

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[54] **IMPROVED METHODS AND DEVICES FOR CELLULAR ANALYSIS**

[54] **PROCEDES ET DISPOSITIFS AMELIORES POUR L'ANALYSE CELLULAIRE**

[72] CLARK, DOUGLAS P., US

[72] SCHAYOWITZ, ADAM, US

[72] MURPHY, KATHLEEN M., US

[72] DIAMOND, SCOTT L., US

[71] BIOMARKER STRATEGIES, LLC, US

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[54] **COMPOSITIONS AND METHODS FOR MODULATING HEMOSTASIS**

[54] **COMPOSITIONS ET PROCEDES DE MODULATION D'HEMOSTASE**

[72] CAMIRE, RODNEY M., US

[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US

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[54] **SELF-EMULSIFYING COMPOSITION OF OMEGA.3 FATTY ACID**

[54] **COMPOSITION AUTO-EMULSIFIANTE D'ACIDE GRAS OMEGA.3**

[72] FUJII, HIROSATO, JP

[72] YAMAGATA, MOTOO, JP

[71] MOCHIDA PHARMACEUTICAL CO., LTD., JP

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[54] **STACKED ROLLING VEHICLE TRACK**

[54] **RAIL POUR VEHICULE ROULANT A EMPLEMENT**

[72] SCHILKE, ALAN, US

[72] GRUBB, FRED, US

[71] ROCKY MOUNTAIN COASTERS, INC., US

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- [54] CANLUE DESTINEE A UN DISPOSITIF DE DISTRIBUTION D'IMPLANT OCULAIRE
- [72] SCHIEBER, ANDREW T., US
- [72] WARDLE, JOHN, US
- [72] MATTHEES, EDWARD, US
- [71] IVANTIS, INC., US
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- [54] SYRINGE WITH DISABLING MECHANISM
- [54] SERINGUE COMPORTANT UN MECANISME DE DESACTIVATION
- [72] CAIZZA, RICHARD J., US
- [72] ODELL, ROBERT B., US
- [72] WAYMAN, BRIAN H., US
- [71] BECTON, DICKINSON AND COMPANY, US
- [22] 2011-09-16
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- [25] EN
- [54] PHARMACEUTICAL COMPOSITIONS COMPRISING A LOCAL ANAESTHETIC SUCH AS BUPIVACAINE FOR LOCAL ADMINISTRATION TO THE MOUTH OR THROAT
- [54] COMPOSITIONS PHARMACEUTIQUES COMPRENANT UN ANESTHESIAANT LOCAL TEL QUE DE LA BUPIVACAINE POUR ADMINISTRATION DANS LA BOUCHE OU LA GORGE
- [72] ANDERSEN, OVE, DK
- [72] MOGENSEN, STINE, DK
- [72] TRELDEL, CHARLOTTE, DK
- [72] MOGENSEN, TORBEN, DK
- [72] PULIS, SYLVIA, DK
- [71] MOBERG PHARMA AB, SE
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- [41] 2012-11-01
- [62] 2,860,373
- [30] DK (PA201170213) 2011-04-29
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- [25] EN
- [54] ATV HAVING A HAND GRIP ARRANGEMENT FOR A PASSENGER
- [54] VTT EQUIPE D'UN MECANISME DE POIGNEE POUR UN PASSAGER
- [72] RIPLEY, RICHARD D., US
- [72] SUNSDAHL, ROY A., US
- [72] TAYLOR, SCOTT D., US
- [71] POLARIS INDUSTRIES INC., US
- [22] 2009-02-03
- [41] 2009-08-13
- [62] 2,712,085
- [30] US (12/012587) 2008-02-04

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- [54] VEHICULE ELECTRIQUE
- [72] STENBERG, KURT E., US
- [72] NOTARO, JOEL M., US
- [72] LEONARD, JOSH J., US
- [72] CRAIN, STEPHEN G., US
- [72] SABOURIN, DENNIS P., US
- [72] OLSEN, RUSS G., US
- [72] MAKI, RICHARD R., US
- [72] MALONE, AMBER PATRICIA, US
- [72] GILLINGHAM, BRIAN R., US
- [72] JOHNSTUN, JEREMIAH TRAVIS, US
- [71] POLARIS INDUSTRIES INC., US
- [22] 2010-06-15
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- [54] SUTURE CLIP APPLIER
- [54] POSEUR D'AGRAFES CHIRURGICALES
- [72] PRIBANIC, RUSSELL, US
- [72] MARCZYK, STANISLAW, US
- [71] TYCO HEALTHCARE GROUP LP, US
- [22] 2010-10-12
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- [30] US (61/250,894) 2009-10-13
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[54] **FILLING CONTAINER AND METHOD FOR STORING HAZARDOUS WASTE MATERIAL**

[54] **FILLING CONTAINER AND METHOD FOR STORING HAZARDOUS WASTE MATERIAL. REMPLISSAGE DE RECIPIENT, ET PROCEDE POUR STOCKER UN DECHET DANGEREUX**

[72] BERMUDEZ, WALTER GUILLERMO, AU

[72] MORICCA, SALVATORE, AU

[72] MURRAY, ALLAN GRANT, AU

[71] AUSTRALIAN NUCLEAR SCIENCE AND TECHNOLOGY ORGANISATION, AU

[22] 2011-06-02

[41] 2012-12-06

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[13] A1

[51] Int.Cl. C10G 1/04 (2006.01) C10C 3/08 (2006.01)

[25] EN

[54] **PARAFFINIC FROTH TREATMENT**

[54] **TRAITEMENT DE MOUSSE PARAFFINIQUE**

[72] LEE, ANITA S., US

[72] SUTTON, CLAY R., US

[72] CHEN, CHIEN-CHIANG, US

[72] ABEL, KEITH A., US

[72] NAIR, HARI, US

[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US

[71] IMPERIAL OIL RESOURCES LIMITED, CA

[22] 2016-04-28

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[51] Int.Cl. G06F 3/044 (2006.01) G06F 3/0354 (2013.01)

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[54] **DETECTING TOUCH ON A CURVED SURFACE**

[54] **DETECTION DE CONTACT SUR UNE SURFACE COURBE**

[72] ROSENFELD, DANIEL, US

[72] WESTHUES, JONATHAN, US

[72] IZADI, SHAHRAM, US

[72] VILLAR, NICOLAS, US

[72] BENKO, IRVOJE, US

[72] HELMES, JOHN, US

[72] JENKINS, KURT ALLEN, US

[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US

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[51] Int.Cl. G01N 27/416 (2006.01)

[25] EN

[54] **METHOD FOR MEASURING SUBSTRATE CONCENTRATION AND DEVICE FOR THE SAME**

[54] **PROCEDE POUR MESURER UNE CONCENTRATION DE SUBSTRAT ET SON DISPOSITIF**

[72] TSUGAWA, WAKAKO, JP

[72] SODE, KOJI, JP

[71] ULTIZYME INTERNATIONAL LTD., JP

[71] ARKRAY, INC., JP

[71] BIOENGINEERING LABORATORIES, LLC, JP

[22] 2008-09-18

[41] 2009-03-26

[62] 2,699,828

[30] JP (2007-241333) 2007-09-18

[21] 2,972,877
[13] A1

[51] Int.Cl. G01N 27/416 (2006.01)

[25] EN

[54] **METHOD FOR MEASURING SUBSTRATE CONCENTRATION AND DEVICE FOR THE SAME**

[54] **PROCEDE POUR MESURER UNE CONCENTRATION DE SUBSTRAT ET SON DISPOSITIF**

[72] TSUGAWA, WAKAKO, JP

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[71] ULTIZYME INTERNATIONAL LTD., JP

[71] ARKRAY, INC., JP

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3M INNOVATIVE PROPERTIES COMPANY	2,767,694	AMAZON TECHNOLOGIES, INC.	2,646,157	BACHIMAN, TIM	2,776,166
A.C. DISPENSING EQUIPMENT INC.	2,910,818	AMAZON TECHNOLOGIES, INC.	2,774,648	BAE SYSTEMS PLC	2,796,981
AB SCIENCE	2,677,586	AMERICAN EXPRESS TRAVEL RELATED SERVICES COMPANY, INC.	2,888,085	BAKER HUGHES INCORPORATED	2,843,011
ABB OY	2,898,499	AMERICAN STERILIZER COMPANY	2,931,497	BAKER HUGHES INCORPORATED	2,881,100
ABBOTT LABORATORIES	2,861,682	AMO WAVEFRONT SCIENCES, LLC	2,743,839	BAKER HUGHES INCORPORATED	2,907,760
ABBVIE BIOTECHNOLOGY LTD.	2,904,458	ANDERSSON, JENS OLA	2,792,181	BAKKEN, PAAL ANDREAS	2,748,334
ACCENTURE GLOBAL SERVICES LIMITED	2,529,879	ANDIC, MIKE MILE	2,764,549	BALANDIER, JEAN-MARIE	2,760,069
ACCERA, INC.	2,729,622	ANDRIES, KOENRAAD JOZEF LODEWIJK MARCEL	2,612,614	BALARAMAN,	
ACTIVE IMPLANTS CORPORATION	2,720,734	ANDRITZ INC.	2,692,090	BALASUNDARAM	2,812,026
ACUFOCUS, INC.	2,857,306	ANDRITZ INC.	2,695,122	BALCEZAK, WILLIAM C.	2,773,092
ADAPTIVE GRAPHIX LLC	2,880,336	ANGIOMED GMBH & CO. MEDIZINTECHNIK KG	2,721,902	BALDANZA, MARIA AUXILIADORA	
ADIDAS AG	2,578,684	ANTI-POLLUTION TECHNOLOGY, L.P.	2,827,412	SCARAMELO	2,736,078
ADKINSON, DANA	2,787,122	AOYAMA, TAKAHISA	2,627,748	BALDEMAIR, ROBERT	2,743,099
AFFYMAX, INC.	2,525,568	APPLE INC.	2,911,612	BALDEMAIR, ROBERT	2,766,905
AFTON CHEMICAL CORPORATION	2,836,632	ARAGON AS	2,711,372	BANNISTER, ROBIN MARK	2,826,506
AGARWAL, MANISH	2,848,865	ARBER, NADIR	2,705,353	BANSAL, REKHA	2,811,091
AGARWAL, MUKUND	2,803,437	ARIAS, EDUARDO	2,679,967	BARANYAI, ANDREAS	2,771,916
AGHILI, FARHAD	2,790,645	ARKEMA FRANCE	2,809,850	BARBADO MONTERO, JUAN JESUS	2,794,264
AGRAWAL, SUDHIR	2,648,585	ARLANXEO DEUTSCHLAND GMBH	2,787,122	BARBARULO, REMI	2,770,090
AIRBUS DEFENCE AND SPACE SAS	2,917,066	ARMORLOG LTD	2,777,248	BARTA, ERIC WOODSON	2,726,142
AIRBUS DS GMBH	2,853,817	ARNOLD, JAMES	2,840,180	BARTL, ANNIKA	2,904,458
AIRBUS GROUP SAS	2,693,991	AROL S.P.A.	2,773,740	BARYSHNIKOV, ANATOLY URIEVICH	2,727,792
AISIN TECHNICAL CENTER OF AMERICA, INC.	2,909,505	ARRAY BIOPHARMA INC.	2,758,300	BASF SE	2,771,916
AKZO NOBEL CHEMICALS INTERNATIONAL B.V.	2,774,595	ASTAKHOV, ANDREY VITALIEVICH	2,892,929	BASHIRAHAMMED, SIBISHI NEELIKATTIL	2,888,085
ALARIE, GUILLAUME	2,916,903	ASTELY, DAVID	2,766,905	BASKIN, BRADLEY	2,909,505
ALBANY ENGINEERED COMPOSITES, INC.	2,775,894	ASTERIAS BIOTHERAPEUTICS, INC.	2,469,483	BATCH, RICHARD M.	2,635,696
ALBERTSON, ALLAN	2,884,979	ATHENIX CORPORATION	2,702,084	BATTHISHI, KARIM	2,742,124
ALDER, MATTHEW	2,529,518	ATSUMITEC CO., LTD.	2,937,217	BAUER HOCKEY LTD.	2,828,876
ALEPINS, ETIENNE	2,933,064	AUDIBLE, INC.	2,830,906	BAUVER, WESLEY P., II	2,773,092
ALFANO, NICHOLAS	2,666,811	AUXILIUM INTERNATIONAL HOLDINGS, INC.	2,861,033	BAXTER HEALTHCARE S.A.	2,828,272
ALGUERA GALLEGO, JOSE MANUEL	2,783,930	AW-ENERGY OY	2,807,450	BAXTER INTERNATIONAL INC.	2,828,272
ALLEC, NICHOLAS	2,766,485	AW-ENERGY OY	2,807,451	BAYER INTELLECTUAL PROPERTY GMBH	2,766,197
ALLEN, STEVE E.	2,744,929	AXELA INC.	2,687,848	BECK, DOUG	2,729,049
ALLERGAN, INC.	2,788,554	AYME, ARNAUD CAMILLE	2,722,398	BECK, KENT	2,720,492
ALLOS THERAPEUTICS, INC.	2,698,160	AYMES, JEAN-MARC	2,917,066	BECTON, DICKINSON AND COMPANY	2,719,110
ALPHORA RESEARCH INC.	2,865,322	AZIENDE CHIMICHE RIUNITE ANGELINI FRANCESCO A.C.R.A.F.S.P.A.	2,760,180	BECTON, DICKINSON AND COMPANY	2,753,859
ALPINS, NOEL AMI	2,770,875	AZIRBAYEVA, LARISSA	2,824,878	BECTON, DICKINSON AND COMPANY	2,760,683
ALTER, HARRY		BAANTO INTERNATIONAL LTD.	2,825,220	BEEBE, STEPHEN	2,619,766
ALVAREZ, ALVAREZ, ANTONIO	2,783,971			BEL, JINSONG	2,809,318
ALVAREZ GUMIEL, FRANCISCO ANTONIO	2,783,971			BEIDLER, CATHERINE	2,901,462
AMANN-BRANDT, JUDITH	2,759,532			BRAUTIGAM	2,916,383
AMAYA, HISASHI	2,826,880			BEISEL, JOE A.	2,916,383
				BEJAN, ELENA	2,726,599

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BENNETT, GREGORY	2,728,398	BREW, JOHN	2,826,506	CHAUMILLIAT, CHRISTINE	2,770,090
BENTLEY, JAMES K.	2,880,336	BREWER, JACK G.	2,827,412	CHEETAH MEDICAL, INC.	2,597,264
BERANEK, RICHARD J.	2,769,829	BRIDGESTONE BANDAG, LLC	2,934,650	CHEN, CHARLIE	2,828,428
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BLACKBERRY LIMITED	2,781,774	C.R. BARD, INC.	2,739,279	CHUDY GROUP, LLC	2,828,680
BLACKBERRY LIMITED	2,792,181	CADOTTE, PATRICK	2,933,064	CHUDY, DUANE S.	2,828,680
BLACKBERRY LIMITED	2,796,647	CAI, DONGQING	2,906,247	CIRIO, ALBERTO	2,773,740
BLACKBERRY LIMITED	2,797,345	CAI, ZHIJUN	2,796,647	CLAESSON, JAN	2,807,931
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BLACKBERRY LIMITED	2,862,872	CAMPOS, ALEJANDRA	2,815,914	CLEMENT, FREDERICK	2,933,064
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TORIYAMA, SHIGETAKA	2,886,852	VAN LIE, ALFRED	2,930,439	WEGELIN, JACKSON W.	2,696,382
TORRES, EDUARDO	2,867,361	VANDYKE, LYNN	2,829,215	WEGMANN AUTOMOTIVE GMBH & CO. KG	2,934,701
TORT, FREDERIC	2,765,245	VARGANTWAR, SACHIN R.	2,779,675	WEINSTEIN, JEREMY L.	2,907,760
TOTAL RAFFINAGE MARKETING	2,765,245	VARNAS, SAULIUS RAYMOND	2,809,850	WEISSBERG, NOAM	2,720,734
TOURET, OLIVIER	2,780,689	VAUTHIRIN, MELANIE	2,755,807	WELKER, KENNETH E.	2,811,492
TOYOTA JIDOSHA KABUSHIKI KAISHA	2,911,324	VAVRICEK, ELMER	2,736,078	WELLER, DWIGHT D.	2,884,340
TOYOTA JIDOSHA KABUSHIKI KAISHA	2,911,572	VENANCIO, SELMA APARECIDA	2,716,620	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH	2,727,681
TOYOTA JIDOSHA KABUSHIKI KAISHA	2,911,586	VERDIER, STEPHAN	2,807,082	WHITTEN, ALMA W.	2,582,100
TOYOTA MOTOR SALES, U.S.A., INC.	2,732,164	VERONA PHARMA PLC	2,688,843	WILCOX, KURT S.	2,762,335
TRAA, YVONNE	2,836,998	VERSTRAETE, JAN	2,730,463	WILKES, RICHARD S.	2,759,262
TRAN, JULIEN	2,769,781	VETHAMUTHU, MARTIN SWANSON	2,755,807	WILKES, ROBERT PEYTON	2,726,142
TRAPP, BENJAMIN M.	2,883,834	VETTE, TIMOTHY	2,736,078	WILKS, DAVID JAMES	2,766,970
TRAPP, TIMOTHY	2,697,571	VICENTINI, VALERIA PERFETTO	2,763,983	WILLIAMS, RYAN	2,713,287
TREMOLADA, SIMONE	2,720,831	VICTOR, JARED J.	2,857,306	WILMES, ROBERT	2,888,085
TRIFILIO, CHRISTIAN RICHARD	2,776,166	VILUPURU, ABHIRAM S.	2,707,998	WILSON, AVERY	2,910,818
TRUSTED POSITIONING INC.	2,701,529	VIOLA, FRANK	2,787,060	WILSON, TIMOTHY L.	2,877,369
TSCHOEPE, MARKUS	2,904,458	VISA INTERNATIONAL SERVICE ASSOCIATION	2,896,542	WINSKI, SHANNON L.	2,758,300
TSUJI, SHIHO	2,831,897	VONAGE NETWORK LLC	2,784,149	WINTERHOLLER, WALDEMAR	2,799,290
TUCKER, BRIAN	2,920,269	VONK, DONALD ROBB INC.	2,840,180	WOLF, DAVID M.	2,888,085
TUMELTY, DAVID	2,525,568	VOSSLOH SIGNALING USA, INC.	2,861,682	WOO, RICKY AI-MAN	2,824,878
TUNGET, BRUCE A.	2,841,841	VURMA, MUSTAFA	2,883,834	WOODWARD, RONALD O.	2,664,504
TURNER, RONALD DAVID	2,884,660	W. L. GORE & ASSOCIATES, INC.	2,892,139	WRIGHT, DAVID HOWELL	2,703,328
TURNER, STEPHEN WAYNE	2,841,599	W. L. GORE & ASSOCIATES, INC.	2,776,166	WRIGHT, ROGER B.	2,797,085
TYCO HEALTHCARE GROUP LP	2,707,998	WAFENSMITH, JEFF	2,923,901	WWT NORTH AMERICA HOLDINGS, INC.	2,830,056
TYCO HEALTHCARE GROUP LP	2,713,287	WAHL, CLIPPER CORPORATION	2,679,967	XEROX CORPORATION	2,852,478
UCHIYAMA, NAOKI	2,937,217	WAISSBEIN, ARIEL	2,695,096	XEROX CORPORATION	2,862,653
ULRICH, GILLES	2,748,313	WAJS, ANDREW AUGUSTINE	2,761,657	XI, YUNFEI	2,746,067
ULTEZYME INTERNATIONAL LTD.	2,794,887	WALBERT, DAVID F.	2,803,437	XIONG, WEI	2,743,839
UNILEVER PLC	2,730,463	WALKER, SIMON JAMES	2,859,038	XU, HUA	2,796,647
UNITED PARCEL SERVICE OF AMERICA, INC.	2,546,597	WALKER, DARRELL JAY	2,807,082	XU, JIATAO	2,881,926
		WALKER, MICHAEL, J. A.	2,841,599	XU, JIDONG	2,809,318
		WALKER, THOMAS CHAD		XU, ZHIYUE	2,843,011
				YAGAMI, YUICHI	2,911,586
				YAHARA, AIKO	2,778,171
				YAMADA, KENTA	2,826,880
				YAMADA, YUSUKE	2,757,329

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YAO, LI	2,726,142
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YU, DONGSHENG	2,796,647
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ZHANG, NING	2,743,569
ZHANG, YUN	2,828,428
ZHANG, ZHANG	2,743,099
ZHAO, HANXIN	2,857,048
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ZHOU, HAO	2,881,926
ZHOUE, JINGQIN	2,743,569
ZHOU, KE	2,862,653
ZHOU, SAMUEL	2,743,569
ZHOUE, WENJUN	2,760,794
ZHU, JIANPING	2,881,926
ZHU, PETER	2,828,428
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1137508 ON LTD.	2,917,892	BIOSENSE WEBSTER		CORDINGLEY, DONALD	
2141632 ONTARIO INC.	2,954,312	(ISRAEL.) LTD.	2,954,112	GEORGE	2,918,031
2LOW	2,917,373	BIOSENSE WEBSTER		CORREIA, VICTOR HUGO	
ABB S.P.A.	2,953,095	(ISRAEL.) LTD.	2,954,752	SILVA	2,953,602
ABHARI, KAMYAR	2,917,654	BIOSENSE WEBSTER		COVIDIEN LP	2,954,381
ABOUELLEIL, ASHRAF	2,951,336	(ISRAEL.) LTD.	2,954,757	COVIDIEN LP	2,954,384
ABS, MICHEL	2,965,640	BIOSENSE WEBSTER		CROMPTON TECHNOLOGY	
ABS, MICHEL	2,965,642	(ISRAEL.) LTD.	2,954,765	GROUP LIMITED	2,954,102
ABS, MICHEL	2,965,643	BIOSENSE WEBSTER		CROSS, PAUL	2,917,439
ACCENTURE GLOBAL		(ISRAEL.) LTD.	2,954,771	DAESCHNER, BERND	2,917,644
SOLUTIONS LIMITED	2,949,521	BIOSENSE WEBSTER		DAVANI, NEGAR	2,953,614
ACCENTURE GLOBAL		(ISRAEL.) LTD.	2,954,777	DE NEUTER, SEBASTIEN	2,965,643
SOLUTIONS LIMITED	2,951,308	BIOSENSE WEBSTER		DEAN, ELVIS E.	2,953,746
ALCANTARA, ROY S.	2,947,175	(ISRAEL.) LTD.	2,954,795	DEAN, ROY	2,953,930
ALIPHAT, GABRIEL J.W.	2,917,234	BJERKETVEDT, ADAM D.	2,952,513	DELL, TREVOR JAMES	2,917,654
ALSLEBEN, JIM	2,928,480	BLACKBERRY LIMITED	2,955,140	DEMERS, DANIEL EDWARD	2,953,602
ALSTOM RENEWABLE		BLUESCOPE BUILDINGS		DENIS, ROXANE	2,914,387
TECHNOLOGIES	2,954,915	NORTH AMERICA, INC.	2,966,013	DEPENHART, JUSTIN	2,954,365
ALTMANN, ANDRES		BLUME, ANDREAS	2,954,160	DESJARLAIS, MATTHEW G.	2,918,102
CLAUDIO	2,954,112	BOHNER, STEPHAN E.	2,954,312	DOWNEY, WILLIAM E.	2,954,365
AMOS, YARIV AVRAHAM	2,954,752	BORDEGNONI, STEFANO	2,953,528	DRAGAN, ZENON	2,917,434
AMOS, YARIV AVRAHAM	2,954,771	BOUCHARD, BENOIT	2,917,902	DU, ZHONGXIAN	2,954,101
AMOS, YARIV AVRAHAM	2,954,777	BOYNTON, RYAN ROBERT	2,949,187	DU, ZHONGXIAN	2,954,118
AMOS, YARIV AVRAHAM	2,954,795	BREKKE, JAMIE	2,928,480	DU, ZHONGXIAN	2,954,122
AMSTED RAIL COMPANY,		BRESCIANI, NICOLA	2,953,095	DUBE, SERGE	2,967,088
INC.	2,954,101	BROWN, KEVIN	2,954,919	DUBOIS, KARI ANN	2,949,187
AMSTED RAIL COMPANY,		BUHLER, NICULIN	2,954,322	EDWARD, ERME ERIC	2,917,496
INC.	2,954,118	BUNIO, GARY L.	2,917,238	EDWIN MCAULEY	
AMSTED RAIL COMPANY,		BURKETT, BRADLEY W.	2,953,966	ELECTRONICS LTD	2,928,388
INC.	2,954,122	CALIFORNIA EXPANDED		EKJERJIAN, CARLO	2,918,025
ANBROOK INDUSTRIES LTD.	2,950,666	METAL PRODUCTS		ELLIS, JUSTIN C.	2,954,609
ANDERSON CHEMICAL		COMPANY	2,954,124	EMADI, ALI	2,955,152
COMPANY	2,928,480	CANADA TOWERS INC.	2,917,202	ENDURA PRODUCTS, INC.	2,952,361
ANDERSON, LEIF	2,928,480	CANADA TOWERS INC.	2,917,203	ENDURA PRODUCTS, INC.	2,952,363
ANDERSON, RICHARD N.	2,954,292	CAO, FUYANG	2,954,101	ENDURA PRODUCTS, INC.	2,953,508
ANDRADE, EDUARDO	2,953,614	CAO, FUYANG	2,954,122	ENDURA PRODUCTS, INC.	2,953,514
ANDREACO, MARK S.	2,954,293	CARBONE, PHILIP	2,954,923	EPHRAITH, YARON	2,954,112
APACHE CORPORATION	2,921,154	CAREY, ALEXANDER		EVANS, JAMES JUSTIN	2,954,365
AREL, RICHARD	2,917,222	ANDREW	2,954,293	EVANS, MICHAEL	2,954,365
ARMY, DONALD E.	2,954,449	CARLSON, ALEX	2,928,480	EVITTS, RICHARD W.	2,917,497
BABBY, WILLIAM DENNIS	2,917,654	CASCADIA SPORT SYSTEMS		FAKHOURY, OMAR J.	2,954,150
BAI, RIZHOU	2,954,122	INC.	2,917,405	FAMA, ANTHONY PAUL	2,917,644
BAR-TAL, MEIR	2,954,752	CHASE, IAN	2,954,102	FENG, MICHAEL	2,954,703
BAR-TAL, MEIR	2,954,765	CHAVIRA, MICHAEL		FERGUSON, ANTHONY A.	2,917,373
BAR-TAL, MEIR	2,954,771	GILBERT	2,954,177	FERGUSON, JOHN D.	2,917,373
BAR-TAL, MEIR	2,954,777	CHEN, HONGJUN	2,954,101	FERGUSON, KENT	2,917,309
BAR-TAL, MEIR	2,954,795	CHIHUO, BERTRAND M.	2,954,108	FERNALD, BRADLEY ALLAN	2,917,654
BARERIA, JYOTIRMAY	2,917,740	CHILLAPALLI, DURGA		FELDING, PAIGE	2,917,519
BARNES, CHRISTOPHER M.	2,921,154	SRINIVAS	2,953,616	FISHER, SAMUEL	2,954,311
BASAVARAJ, VIVEK	2,917,740	CHUCK, CHEN	2,948,162	FLICK, KENNETH E.	2,951,679
BAUER HOCKEY CORP.	2,918,008	CLAPPER, JOSHUA E.	2,953,930	FLICK, KENNETH E.	2,951,747
BAYERL, WILHELM	2,954,379	COHEN, PETER CARL	2,954,293	FLICK, KENNETH E.	2,951,778
BERNARD, JAMES	2,954,102	COLBER, WILLIAM E., JR.	2,954,703	FRANCOEUR, EMMANUELLE	2,914,387
BESANT, ROBERT W.	2,917,497	COMAU S.P.A.	2,953,528	FRANCOTYP-POSTALIA	
		COOK, DAVID MICHAEL	2,954,365	GMBH	2,954,160

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GAVIN, PATRICK M.	2,954,365	IFP ENERGIES NOUVELLES	2,954,354	MITCHELL, MICHAEL K.	2,952,361
GE OIL & GAS, INC.	2,953,614	INCONNU	2,914,387	MITCHELL, MICHAEL K.	2,952,363
GE, YI	2,954,150	ION BEAM APPLICATIONS		MITCHELL, MICHAEL K.	2,953,514
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COMPANY	2,917,644	ION BEAM APPLICATIONS		MITEL NETWORKS	
GENERAL ELECTRIC		S.A.	2,965,642	CORPORATION	2,917,740
COMPANY	2,953,602	ION BEAM APPLICATIONS		MODULAR EYES INC.	2,917,538
GENERAL ELECTRIC		S.A.	2,965,643	MOHAMMADIAN ABKENAR,	
COMPANY	2,953,615	IPPOLITO, MASSIMO	2,953,528	SEYED MOFTABA SMMA	2,917,204
GENERAL ELECTRIC		IRWIN, ROBERT M.	2,947,185	MONDAL, BHASKAR NANDA	2,953,616
COMPANY	2,953,616	J. J. KELLER & ASSOCIATES,		MONIZ, THOMAS ORY	2,953,616
GEORGE, GRANT	2,966,136	INC.	2,949,187	MORRIS INDUSTRIES LTD.	2,954,882
GIORDANO, GUISEPPE	2,949,521	JASKIEWICZ, TOMASZ	2,952,361	MOSKALIK, STEVEN J.	2,947,175
GLATFELTER, JOHN		JASKIEWICZ, TOMASZ	2,952,363	MSW CONSULTING, INC.	2,965,927
WILLIAM	2,942,410	JASKIEWICZ, TOMASZ	2,953,508	MUELLER INTERNATIONAL,	
GLINER, VADIM	2,954,112	JEAN, PHILIPPE	2,918,008	LLC	2,951,336
GLOUDEMANS, KARI LYNN	2,949,187	JOEL, KEVIN	2,966,953	NABA VI NIAKI, SEYED ALI	
GOLDBERG, STANISLAV	2,954,752	JOHNSON, TORI	2,966,013	AN	2,917,647
GOLDBERG, STANISLAV	2,954,765	JOMARD, OLIVIER	2,952,951	NADKRYNECHNY, RICK	2,966,899
GOLDBERG, STANISLAV	2,954,771	KANG, CHAN GO	2,927,481	NAGAN, JOSEPH P.	2,940,884
GOLDBERG, STANISLAV	2,954,795	KENNEDY, DAVID ALLEN	2,953,614	NEWELL, TIM	2,954,365
GOLDBERG, STANSLOV	2,954,777	KENNEDY, SHAWN	2,917,405	NIE, XIAODONG	2,917,497
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ALLEN	2,949,187	KIM, GEUN, II	2,947,175	SPECIALTY PRODUCTS	
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GOVARI, ASSAF	2,954,112	KNIGHT, JAMES, JR.	2,965,927	CORPORATION	2,917,519
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GREENSCENE AGRITEK INC.	2,917,439	KOLLER, FELIX	2,954,322	OMEGA PATENTS, L.L.C.	2,951,778
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GYENGE, ELOD	2,940,921	GUDIBANDE		INTELLECTUAL	
HAMILTON SUNDSTRAND		SATHYAKUMAR	2,953,616	CAPITAL, LLC	2,954,365
CORPORATION	2,954,449	LARSON, MARK L.	2,947,185	PAL, KISHANJIT	2,953,616
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HOSTETTLER, WILLIAM	2,966,013	MARTIN, HUGO	2,918,008	VALERIEVITCH	2,917,654
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HOUBEN, RICHARD P.M.	2,954,795	MCCARTHY, MATTHEW	2,966,136	CHARLES	2,954,177
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HUANG, CANJUN	2,937,541	MCPHEE, CURTIS R.	2,917,202	REUBEN, RONIE	2,917,522
HUMFELD, KETHI D.	2,949,148	MEEKER, BROOKE	2,950,666	REYNOLDS, FREDERICK J.	2,953,746
HUNG, CHRIS	2,917,519	MILAZZO, ANDREA	2,949,521	RICHTER, FRANK	2,953,978

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UK LIMITED	2,953,562	URMAN, ROY	2,954,752		
SARGENT, SHANE	2,966,136	URMAN, ROY	2,954,765		
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SCHMITT, STEVEN	2,954,365	VASUDEVA, KAILASH C.	2,954,154		
SEABA, JAMES	2,953,915	VERBRUGGE, PETER	2,955,051		
SEABATECH LLC	2,953,915	VERMA, ATUL	2,954,752		
SELA, GAL	2,917,654	VERMA, ATUL	2,954,771		
SETO, JEFFREY WING LUN	2,954,177	VERMA, ATUL	2,954,777		
SGROI, ANTHONY	2,954,381	VERMA, ATUL	2,954,795		
SGROI, ANTHONY	2,954,384	VIALE, EMMANUEL	2,949,521		
SHADY LANE CURTAINS, LLC	2,954,311	VIKING RANGE, LLC	2,954,919		
SHARMA, ANISH	2,917,740	VIKING RANGE, LLC	2,954,923		
SHEPPARD, CLINT W.	2,954,882	VOLTNER, BARRY	2,919,178		
SHEVAKARI, SUSHILKUMAR		WAI SING LAW, VINCENT	2,928,388		
GULABRAO	2,953,616	WEATHERFORD			
SIEMENS MEDICAL		TECHNOLOGY			
SOLUTIONS USA, INC.	2,954,293	HOLDINGS, LLC	2,954,177		
SILVER ANGELS, LLC	2,940,884	WESTERN TECHNOLOGY			
SOULE, WAYNE D.	2,953,746	SERVICES			
SPORTGERATE 2000 GMBH	2,953,978	INTERNATIONAL, INC.	2,953,746		
SRIMOHANARAJAH,		WHITE, ADAM KEITH	2,917,654		
KIRUSHA	2,917,654	WIECHERT, KENNETH J.	2,954,365		
STEELHAUS TECHNOLOGIES		WOOD, GREG	2,917,434		
INC.	2,966,136	XIE, MING	2,953,615		
STRICKLAND, JAMES		XU, JUN	2,955,140		
HAROLD	2,954,101	YAN, CHENGQUN	2,954,101		
STRICKLAND, JAMES		YAN, CHENGQUN	2,954,118		
HAROLD	2,954,118	YAN, CHENGQUN	2,954,122		
STROMKINS, JENNINE	2,917,439	YANG, DONGYE	2,954,122		
SUN, JIANFEI	2,954,101	YAU FUNG PUN, JERRY	2,928,388		
SUN, JIANFEI	2,954,122	YEE, ROBERT C.	2,917,477		
SUNCOR ENERGY INC.	2,917,238	YEUK LAM HO, ANSON	2,928,388		
SYNAPTIVE MEDICAL		YU, XUEFENG	2,954,118		
(BARBADOS) INC.	2,917,654	ZAREMBA, SZYMON	2,965,642		
SYNNOTT, REMY	2,952,107	ZEIDAN, ZIYAD	2,954,752		
SZEPESHAZY, ISTVAN	2,954,322	ZEIDAN, ZIYAD	2,954,757		
T-RAM CANADA, INC.	2,966,899	ZEIDAN, ZIYAD	2,954,771		
TALLANO TECHNOLOGIE	2,954,085	ZEIDAN, ZIYAD	2,954,777		
THAYYULLATHIL, JEMSHEER	2,954,919	ZEIDAN, ZIYAD	2,954,795		
THAYYULLATHIL, JEMSHEER	2,954,923	ZHANG, SIJIN	2,954,101		
THE BOEING COMPANY	2,942,410	ZHANG, SIJIN	2,954,118		
THE BOEING COMPANY	2,947,175	ZHANG, SIJIN	2,954,122		
THE BOEING COMPANY	2,947,185	ZHENG, YUEPENG	2,954,122		
THE BOEING COMPANY	2,948,162	ZHU, LIBO	2,955,140		
THE BOEING COMPANY	2,949,148	ZHU, LIZHONG	2,955,140		
THE CROSBY GROUP LLC	2,955,051	ZIGTEMA, JOHN RAYMOND	2,953,614		
THOMAS, BENSON	2,954,177	ZRIHAM, YANIV BEN	2,954,752		
THOMAS, MONROE MILAS	2,917,654	ZRIHAM, YANIV BEN	2,954,765		
TRINH, BOBBY	2,917,292	ZRIHAM, YANIV BEN	2,954,771		
		ZRIHAM, YANIV BEN	2,954,777		

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3M INNOVATIVE PROPERTIES		SHORT ATT S.R.L.	2,969,502	AVK HOLDING A/S	2,969,017
COMPANY	2,969,395	ANGULO, MIGUEL ANGEL	2,972,241	AXTONE SPOLKA AKCYJNA	2,969,305
3M INNOVATIVE PROPERTIES		GOMEZ		AZMOON, TROY	2,972,885
COMPANY	2,969,424	ANTHROGENESIS		AZURRX SAS	2,964,151
3M INNOVATIVE PROPERTIES		CORPORATION	2,972,583	BABAEI, SAEID	2,972,568
COMPANY	2,969,698	ANTHROGENESIS		BAE SYSTEMS PLC	2,971,010
3M INNOVATIVE PROPERTIES		CORPORATION	2,972,662	BAI, XIANHONG	2,972,833
COMPANY	2,972,317	ANTHROGENESIS		BAI, YI	2,972,833
AATTELA, ELISA	2,972,162	CORPORATION	2,972,806	BAIRD, DUNCAN	2,964,621
AB7 INNOVATION S.A.S.U.	2,969,283	ANYIKA, MERCY	2,952,029	BAKER HUGHES	
ABB SCHWEIZ AG	2,957,612	AO TECHNOLOGY AG	2,971,005	INCORPORATED	2,969,629
ABCELEX TECHNOLOGIES		AOKI, MASASHI	2,972,746	BAKER HUGHES	
INC.	2,972,568	AOKI, TETSUYA	2,972,354	INCORPORATED	2,969,692
ABE, KANSHI	2,972,858	AOU, KAORU	2,969,687	BAKER HUGHES	
ACADEMIA SINICA	2,972,731	API INTELLECTUAL		INCORPORATED	2,970,304
ADAMI, ROGER	2,972,270	PROPERTY HOLDINGS,		BAKER, MARK R.	2,969,719
ADELMAN, BURT	2,972,800	LLC	2,972,810	BAKER, PHILIP NEWTON	2,953,113
ADERANS COMPANY		ARAGON		BAKER, RANDAL S.	2,972,582
LIMITED	2,972,576	PHARMACEUTICALS,		BAKERS HUGHES	
ADVANCED LITHIUM		INC.	2,969,661	INCORPORATED	2,969,548
ELECTROCHEMISTRY		ARAI, KEIICHIRO	2,972,212	BALAKRISHNAN, GOPI	2,972,897
CO., LTD.	2,972,567	ARAI, YASUROU	2,972,214	BALIGA, RAMESH	2,972,990
AGGARWAL, RAJAT	2,963,267	ARCHER, KENNETH		BALL, CATHERINE ANN	2,964,780
AGRAWAL, SARVESH K.	2,969,115	MAXWELL	2,972,631	BALL, CATHERINE ANN	2,964,905
AGUIRRE, MARIO	2,972,472	AREF, AMIR	2,972,958	BALLAS, STEPHANE	2,969,283
AHMADIAN, MOHAMMAD	2,972,265	ARGEL ROLDAN, LUZ EDITH	2,959,472	BALMUDA INC.	2,972,346
AHMED, IQBAL	2,972,645	ARJOHUNTLEIGH MAGOG		BALMUDA INC.	2,972,350
AINSWORTH, DAVID	2,969,419	INC.	2,972,552	BALMUDA INC.	2,972,370
AIRBUS OPERATIONS S.L.	2,969,168	ARKEMA FRANCE	2,969,185	BANDEL, MICHAEL W.	2,972,599
AK STEEL PROPERTIES, INC.	2,972,470	ARMSTRONG, CHARLES D.	2,969,548	BANDURA, DMITRY R.	2,972,418
AKERFELDT, MIA	2,970,956	ARUR, DEEPAK	2,972,450	BANIRAZI-MOTLAGH, REZA	2,972,801
AKKAPEDDI, MURALI K.	2,969,122	ASCANI, MAURIZIO	2,969,502	BARANOV, VLADIMIR I.	2,972,418
ALABED, DIAA	2,963,267	ASCARI, MATTHEW B.	2,969,337	BARBER, MATHEW J.	2,964,780
ALARM.COM		ASEDASCIENCES AG	2,972,960	BARBER, MATHEW J.	2,964,905
INCORPORATED	2,972,721	ASGCO MANUFACTURING,		BARBIE, DAVID	2,972,958
ALLEN, THOMAS	2,972,445	INC.	2,969,213	BARBIE, THANH	2,972,958
ALPHABET ENERGY, INC.	2,972,472	ASHKELON EYEWEAR		BARD PERIPHERAL	
ALTRIA CLIENT SERVICES		TECHNOLOGIES LTD	2,972,856	VASCULAR	2,972,851
INC.	2,972,441	ASKEM, BEN ALAN	2,972,314	BAREKET, NOAH	2,965,004
AMATA, MARIO ANTHONY	2,955,351	ASOCIACION DE		BARHORST, STEVEN	
AMGEN INC.	2,964,313	BANANEROS DE		EDWARD	2,955,351
AMGEN INC.	2,964,470	COLOMBIA (AUGURA)	2,959,472	BARKER, JOSEPH CHARLES	2,969,705
AMMOURI, FOUAD	2,964,576	ASOKAN, ARAVIND	2,972,807	BARKER, JOSEPH CHARLES	2,969,760
ANCESTRY.COM DNA, LLC	2,964,780	ASTELLAS PHARMA INC.	2,972,230	BARNES, PRESTON	2,969,679
ANCESTRY.COM DNA, LLC	2,964,902	AT&T INTELLECTUAL		BARNES, PRESTON	2,969,712
ANCESTRY.COM DNA, LLC	2,964,905	PROPERTY I, LP	2,965,800	BARNICKEL, DONALD J.	2,965,800
ANDERSON, CHARLES		ATKINS, NICK	2,969,054	BARRY, JENNIFER K.	2,963,558
ABERNETHY	2,972,829	ATTINA, PRIMO	2,969,181	BARSALI, GUILHERME	2,969,168
ANDERSON, DAVID DELOYD	2,969,726	AUERBACH, WOJTEK	2,963,315	BARTLETT, STUART	2,972,331
ANDOU, SHIOMI	2,972,858	AVANASHIAPPAN, VIJAY	2,969,054	BARZEGAR, FARHAD	2,965,800
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		SANDOVAL	2,972,241	BASF SE	2,972,881
				BATHEN, JUERGEN	2,963,893

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BEALL, ROGER	2,972,767	BOUZIDI, LAZIZ	2,972,282	CARDIONOMIC, INC.	2,972,459
BEDOYA, FELIPE	2,972,597	BOWER, BRAD	2,972,392	CARDOSI, MARCO	2,966,291
BEERS, WILLIAM WINDER	2,969,524	BOWLEY LOCK COMPANY INC.	2,972,279	CAREFUSION 2200, INC.	2,972,789
BEIJING DONGFANG BIOTECH CO., LTD.	2,972,833	BOWLEY, RYAN THOMAS	2,972,279	CARLSON, STEVEN	2,972,819
BEIJING JINGYITAI XIANG TECHNOLOGY DEVELOPMENT CO., LTD.	2,972,833	BOWLEY, TYLER GEORGE	2,972,279	CARSON, DEAN	2,972,975
BELHOCINE, KAMILA	2,972,969	BRAIN SENTINEL, INC.	2,971,095	CARSTENSEN, ANNA-MARIA	2,971,522
BELL, SCOTT	2,971,209	BRANTNER, PAUL	2,972,908	CASE WESTERN RESERVE UNIVERSITY	2,972,782
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BENDER, ROBERT PAUL	2,969,760	BRAVO-ALTAMIRANO, KARLA	2,972,413	CATALYST ORTHOSCIENCE INC.	2,972,664
BENNETT, ROBERT	2,965,800	BRESSAN, CHRISTIAN	2,966,490	CATERPILLAR INC.	2,969,520
BERA, SANJIB	2,969,221	BRIEN HOLDEN VISION DIAGNOSTICS	2,972,392	CATERPILLAR INC.	2,971,181
BERENDS, PIETER	2,962,872	BRIGGS, CARRIE S.	2,969,719	CATHIE, CHERYL ANN	2,972,422
BERKEN, LLOYD	2,972,825	BRIONES, VICTOR	2,972,587	CATHIE, CHERYL ANN	2,972,430
BERTRAM, PAUL	2,972,482	BRITISH AMERICAN TOBACCO (INVENTMENTS) LIMITED	2,971,076	CELGENE CORPORATION	2,972,604
BESSE, JEAN-GUILLAUME	2,969,250	BRITZ-MCKIBBIN, PHILIP	2,972,638	CERES INTELLECTUAL PROPERTY COMPANY LIMITED	2,968,634
BESTLINE INTERNATIONAL RESEARCH, INC.	2,972,633	BROOKER, ALAN THOMAS	2,969,457	CGG SERVICES SA	2,965,888
BEUCHAT, CHARLIE	2,972,789	BROOKER, ALAN THOMAS	2,969,458	CHABLANI, ANJALI	2,972,901
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BEWICK, LINDSAY SUZANNE	2,969,465	BROOKS, ANDREW G.	2,969,750	CHAHINE, KENNETH G.	2,964,905
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BFKW, LLC	2,972,582	BROUGH, DOUGLAS E.	2,958,780	CHAMBERLAIN, JEFFREY S.	2,972,811
BHAIDASNA, KETAN		BROWN, ASHLEE MAE	2,971,004	CHAN, CHARLES K. F.	2,972,592
CHIMANAL	2,972,888	BRUCE, MATTHEW FREDERIC	2,964,186	CHAN, KWAN CHIEE	2,973,025
BHAIDASNA, KETAN		BRUNELLA, ANDRE	2,969,480	CHANDRASHEKAR, SRIDHAR	2,972,901
CHIMANAL	2,972,964	BRUNELLA, ANDRE	2,969,541	CHANDUSZKO, ANDRZEJ	2,972,851
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BICALHO, RODRIGO		BUCHAN, ZACHARY	2,972,551	CHANG, DAVID B.	2,972,438
CARVALHO	2,972,957	BUCHER, OLIVIER	2,973,030	CHANGCHUN UNIVERSITY OF SCIENCE AND TECHNOLOGY	2,972,924
BIEL, MARKUS	2,968,968	BUDIN, FLORENCE	2,953,113	CHAO, TIEN-CHIEH	2,969,352
BIOMASSE ENVIRONNEMENT SYSTEMES	2,969,074	BUEHLER, FREDERIC ULYSSE	2,971,116	CHASE, JORDAN	2,972,472
BITZER, DONALD L.	2,972,473	BUNDY, JOSEPH C.	2,955,351	CHECKMATE PHARMACEUTICALS, INC.	2,972,757
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BLACKBERRY LIMITED	2,972,830	BURGER, YOSEF	2,972,739	CHEMALI, ROLAND E.	2,972,884
BLACKHURST, MICHAEL JOSEPH	2,972,229	BURNS, JASON	2,972,648	CHEN, GANG	2,965,495
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BLAIN, JASON	2,972,788	BUSUTTI, ANNE MARIE	2,969,283	CHEN, HAO	2,972,571
BLOOMFIELD, NIC	2,966,315	BUTLIN, NATHANIEL G.	2,972,080	CHEN, JUN	2,972,554
BLUE GAS MARINE, INC.	2,972,951	BUTTERWORTH, JOHN	2,969,813	CHEN, JUN	2,972,655
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BLYTHE, STEPHEN	2,966,291	C CHANGE SURGICAL LLC	2,969,149	CHEN, LI-TZONG	2,972,339
BNNT, LLC	2,972,769	C.R. BARD, INC.	2,972,465	CHEN, LIN	2,972,657
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BODEN, JOHN T.	2,969,698	CALDERON, ERICK	2,972,552	CHEN, TIANRUN	2,972,884
BOECKH, DIETER HANNU	2,968,968	CALIFORNIA INSTITUTE OF TECHNOLOGY	2,965,999	CHENG, ARTHUR C. H.	2,972,884
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CHUANG, PO-KAI	2,972,731	DASHPASS INC.	2,972,071	DOW AGROSCIENCES LLC	2,972,345
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CHUKKA, SRINIVAS	2,969,327	DAVE, HITESHKUMAR	2,972,345	DOW AGROSCIENCES LLC	2,972,413
CIOPIK, BRIAN	2,972,587	DAVIDOVICH-RIKANATI,		DOW AGROSCIENCES LLC	2,972,422
CIRILLI, ALESSANDRO	2,969,610	RACHEL	2,972,739	DOW AGROSCIENCES LLC	2,972,430
CITY OF HOPE	2,972,986	DAVIS, DAVID	2,972,908	DOW AGROSCIENCES LLC	2,972,551
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CONLAN, ROBERT	2,963,744	DEL RUE, OLIVIER	2,969,069	DUPRET, DANIEL	2,964,151
CONLEY, GREGORY P.	2,972,800	DEMONT, PHILIPPE	2,964,846	DURAND, JEAN ROBERT	2,972,260
CORAM, TRISTAN E.	2,963,267	DENAU, DAVID	2,966,490	DURAND, JEAN ROBERT	2,972,396
CORNELL UNIVERSITY	2,972,957	DENG, AIMIN	2,972,571	DUSSAULT, DAVID	2,972,591
CORNSWEET, TOM N.	2,972,392	DENG, WENJIN	2,972,466	DYAX CORP.	2,972,800
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COVIDIEN LP	2,971,004	DESHIPANDE, SACHIN G.	2,972,349	AND COMPANY	2,963,558
COVIDIEN LP	2,972,251	DESTEFANIS, ROBERTO	2,969,181	EAGLETON, CHRISTOPHER	
COVIDIEN LP	2,972,482	DEVELOPMENT CENTER FOR		RAYMOND	2,970,152
COVIDIEN LP	2,972,657	BIOTECHNOLOGY	2,972,339	EAPEN, GEORGE	2,970,531
COX, ADAM	2,969,679	DEWEY, DAVID A.	2,965,004	EATON, JESSE L.	2,972,893
COX, ADAM	2,969,712	DHI TECHNOLOGIES		EBSCO INDUSTRIES, INC.	2,972,619
CRANE, DOUGLAS	2,972,472	DEVELOPMENT PTE.		ECOLAB USA INC.	2,972,968
CROWELL, DAVID V.	2,972,442	LTD.	2,966,315	EGAN, EDMUND A.	2,972,596
CRUDO, MARIO	2,972,071	DHULIPALA, PRASAD D.	2,969,548	EGLIN, DAVID	2,971,005
CUELLAR GAVIRIA,		DIAO, JUNQI	2,972,336	EGNER, JACOB	2,969,750
TATIANA ZAZINI	2,959,472	DIETHELM, STEFAN	2,973,030	EKSORBIT LTD	2,972,799
CUI, TAIXING	2,972,771	DING, HUI	2,972,571	ELC MANAGEMENT LLC	2,969,421
CULLER, SCOTT R.	2,969,698	DINNAGE, MARTIN JAMES	2,971,004	ELCON RECYCLING CENTER	
CULLY, KEVIN J.	2,962,872	DIRKSEN, RONALD J.	2,972,884	(2003) LTD.	2,972,742
CURTIS, ROBERT M.	2,972,826	DIULIUS, GERARD	2,966,490	ELGAT, ZVI	2,972,742
CUSTEAU-BOISCLAIR,		DIXIT, ABHISHEK ANANT	2,972,240	ELLIOTT COMPANY	2,972,508
OLIVIER	2,972,552	DIXON, GREGORY D.	2,972,893	ELOWE, PAUL R.	2,969,426
CUYPERS, STEVEN	2,972,191	DIXON, MATHEW	2,972,465	ELOWE, PAUL R.	2,969,441
DAEUBLE, JOHN	2,972,401	DJAKOVIC, VLADAN	2,972,908	ELOWE, PAUL R.	2,969,443
DAEUBLE, JOHN F., SR.	2,972,413	DOBROWSKY, RICK T.	2,952,029	ELOWE, PAUL R.	2,969,444
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DAMPFHOFFER, STEFAN	2,971,660	DONG, KELLY	2,969,421	EMD MILLIPORE	
DAMPFHOFFER, STEFAN	2,971,663	DONOVAN, MARTIN	2,972,826	CORPORATION	2,966,169
		DOOLEY, DANIEL P.	2,972,414	EMORY UNIVERSITY	2,972,259

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EPP, JEFFREY B.	2,972,413	FRANK, JOANNE D.	2,973,004	GONZALEZ, JAVIER G.	2,965,004
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REPRESENTA PAR LE		ARNUM	2,969,017	GOODYEAR, TODD FREY	2,972,398
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POUR L'ARMEMENT	2,966,490	FROLOVA, LILIYA V.	2,972,787	KIRAN	2,972,387
ETCHETO, HENRI	2,966,490	FU, SHENGBIN	2,972,661	GORDON, JAMES	
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FACEBOOK, INC.	2,972,684	GARG, ANURAG	2,972,901	GRECI, STEPHEN MICHAEL	2,972,763
FAHMY, MOHAMED G.	2,969,679	GARUTSU CO., LTD.	2,945,567	GREENBERG, DAVID	2,972,653
FAHMY, MOHAMED G.	2,969,712	GARY, DANIEL	2,964,576	GRIFFITH, HUGH	2,959,977
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FANG, ZHIGANG ZAK	2,972,974	GONZALO	2,972,470	GROLLEAU, FRANCK	2,971,656
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FERGUSON, WILLIAM H.	2,972,596	COMPANY	2,969,524	KITCHEN APPLIANCES	
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FERRIS, JASON C.	2,969,760	GEORGIA-PACIFIC		GUARDANT HEALTH, INC.	2,972,433
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IORE, SUSAN RENATA	2,955,351	GEORGIEV, GEORGI	2,972,280	GUIDMUNDSSON, MATS	2,972,010
FISHER & PAYKEL		GERSZBERG, IRWIN	2,965,800	GUENTHER, SVEN	2,969,221
HEALTHCARE LIMITED	2,972,229	GHALIB, ALI GHALIB ABDUL		GUERREIRO, JOSE MIGUEL	
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FLEISCHER, COREY A.	2,969,337	GHASSEMI, SABA	2,972,597	LORENZANA	2,972,241
FLEXGEN POWER SYSTEMS,		GIBBONS, AILEEN	2,972,826	GUO, GAOFEI	2,972,317
INC.	2,972,897	GIBBS, AARON T.	2,969,213	GURGIS, FADI MAGED	
FLICK, EDWARD L.	2,972,578	GIBBS, KENNETH A.	2,970,304	SHOKRY	2,970,956
FLINT, JASON C.	2,970,553	GIELOW, CHRISTOPHER C.	2,972,398	GUSEV, ALEXANDER	
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FLUIDIGM CANADA INC.	2,972,500	GODFREY, KEITH MALCOLM	2,953,113	GWANGJU INSTITUTE OF	
FMC TECHNOLOGIES, INC.	2,972,766	GOEDEKE, STEVEN D.	2,972,459	SCIENCE AND	
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HALLIBURTON ENERGY SERVICES, INC.	2,972,395	HERNANDEZ MIRAMONTES, JORGE ANTONIO	2,972,889	HUAWEI TECHNOLOGIES CO., LTD.	2,972,832
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HALLIBURTON ENERGY SERVICES, INC.	2,972,884	HERRICK, JESSICA	2,972,551	HUGHES NETWORK SYSTEMS, LLC	2,970,531
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HANES OPERATIONS EUROPE SAS	2,972,181	HIPP, JOHN A.	2,969,541	IDEVICES, LLC	2,972,908
HANES OPERATIONS EUROPE SAS	2,972,190	HIRST, NATHAN K.	2,971,203	IGARASHI, HIROSHI	2,972,873
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HASSAN, KHALID	2,969,212	HOUESSOU, KOFFI JUSTIN	2,969,074	IP, BERNARD TSZ LUN	2,972,229
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HELIOSPECTRA AB	2,971,522	HUANG, CHUN-MING	2,972,567	JAIS, PHILIPPE	2,964,151
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JOHNSON, JERRY RICHMOND	2,969,852	KIM, DONGKYUN	2,972,219	LAASER, WILLIAM T.	2,972,394
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JONES, DAVID M.	2,972,551	KIMURA, TAROU	2,972,924	LANDER, CYNTHIA	2,972,916
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KAARTINEN, JANI	2,969,735	KNAPP, MATT COLLINS	2,963,401	CORPORATION	2,972,390
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KAKEHI, TAKAHIRO	2,972,393	KOIRE, AMANDA MICHELE	2,965,163	LANDMARK GRAPHICS	
KAMAE, TOSHIYA	2,962,722	KONG, YIPING	2,972,283	CORPORATION	2,972,409
KAMER, LUKAS	2,971,005	KOPACZ, KRISTOPHER	2,972,800	LANDMARK GRAPHICS	
KAMMER, PATRICK	2,969,149	KORBER, BETTE T.	2,972,231	CORPORATION	2,972,411
KANE, BILL	2,972,482	KORBER, BETTE T.	2,972,753	LAPORTE HOLDING	2,971,243
KANEKA CORPORATION	2,972,745	KORNGOLD, ROBERT	2,972,846	LAPORTE, JEAN-MICHEL	2,971,243
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KANG, LIN	2,972,806	KORTEBEIN, PATRICK	2,969,800	LAURA, RAFAEL ADOLFO	2,969,914
KANG, YONGFENG	2,972,409	KORZHENKO, ALEXANDER	2,969,185	LAW, CHE-LEUNG	2,972,827
KANG, YONGFENG	2,972,411	KOVALSKY, IGOR	2,972,966	LE COUEDIC, REGIS	2,971,001
KANNAJOSYULA,		KOZY, HEATHER	2,972,912	LEANO, MAURICIO E.	2,969,426
HARAPRASAD	2,972,274	KRAMER, JEFFREY FRANK	2,964,050	LEANO, MAURICIO E.	2,969,441
KANSKI, JAROSLAW	2,969,221	KRAMME, ERIC C.	2,964,897	LEANO, MAURICIO E.	2,969,443
KARANTZIS, NICKOLAS		KRAWCIW, A'LISA MARIE	2,965,977	LEANO, MAURICIO E.	2,969,444
JOHN	2,970,946	KREIS, JUSTYNA		LEE, JONATHAN	2,972,487
KASAHARA, RYO	2,972,858	KATARZYNA	2,969,419	LEE, LIJIN	2,969,139
KASSIOU, MICHAEL	2,970,956	KRIEG, ARTHUR M.	2,972,757	LEE, MICHAEL H.	2,972,441
KASTRAPPEL, NIKSA	2,972,800	KRIEGER, KEVIN M.	2,955,351	LEE, WOO	2,972,846
KASUYA, YOSHITOSHI	2,972,226	KRUPP, BENJAMIN T.	2,972,789	LEE-GOLDMAN, RUSSELL	2,972,670
KATO, YASUYUKI	2,972,859	KSIEZOPOLSKI, EDWIN E.	2,969,702	LEGO AS	2,969,358
KATO, YASUYUKI	2,972,860	KSIEZOPOLSKI, KEVIN J.	2,969,702	LEI, XIAOQUANG	2,972,366
KATSONIS, PANAGIOTIS	2,965,163	KUBO, SHIGERU	2,972,857	LEONARDINO S.R.L.	2,963,454
KATZ, BRUCE D.	2,969,113	KUBOTA CORPORATION	2,972,228	LERCHL, JENS	2,972,881
KATZ, BRUCE D.	2,969,117	KUBOTA, YASUO	2,962,721	LESSARD, DAVID	2,969,817
KATZIR, NURIT	2,972,739	KUKULSKI, JAN	2,969,305	LETZELTER, NATHALIE	
KAVAKKA, JARI	2,972,948	KULTHORN PREMIER		SOPHIE	2,968,968
KAWAKAMI, HIROSHI	2,972,397	KAWAKAMI, HIROSHI	2,972,644	LEUGERS, MARY ANNE	2,969,426
KEEFE, ANTHONY D.	2,972,275	KUNCHITHAPATHAM,		LEUGERS, MARY ANNE	2,969,441
KEHR, MARILYN	2,972,822	KAMALAKUMARI	2,969,679	LEUGERS, MARY ANNE	2,969,443
KEIO UNIVERSITY	2,972,397	KUNCHITHAPATHAM,		LEUGERS, MARY ANNE	2,969,444
KEIPERT, STEVEN J.	2,969,698	KAMALAKUMARI	2,969,712	LEVEL 3 COMMUNICATIONS,	
KELEDJIAN, RAQUEL	2,969,694	KUNO, JUNKO	2,963,315	LLC	2,972,261
KELLY, COLIN	2,972,587	KURARAY CO., LTD.	2,972,208		

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LEVEL 3 COMMUNICATIONS, LLC	2,972,595	LOS ALAMOS NATIONAL SECURITY, LLC	2,972,753	MASSEY, ALAN J.	2,970,304
LEVINE, BRUCE L.	2,972,597	LOSZ, JOSE MAURO BARROS	2,972,470	MASTERSON, BERNARD PATRICK	2,972,253
LEWICKY, JORDAN DAVID	2,972,635	LOU, QIAN	2,972,571	MATHEWS, BEN	2,971,209
LEWINSOHN, EFRAIM	2,972,739	LOUPAS, THANASIS	2,964,186	MATHIESON, TODD	2,972,422
LI, BIN	2,972,286	LOY, BRIAN	2,972,401	MATHIESON, TODD	2,972,430
LI, BIN	2,972,554	LOY, BRIAN	2,972,403	MATTEAU, YVAN	2,972,552
LI, BIN	2,972,642	LOY, BRIAN	2,972,408	MATUR, TURAN	2,969,480
LI, BIN	2,972,643	LOY, BRIAN	2,972,551	MATUR, TURAN	2,969,541
LI, BIN	2,972,655	LOYENS, ROLF	2,972,645	MAYHOCK, SAVANNA	2,972,468
LI, BIN	2,972,832	LU, SHU-CHEN	2,964,470	MAZERIS, FERNANDO	2,972,010
LI, BIN	2,972,922	LU, YU	2,972,401	MBOUMBA-MAMIBOUNDOU, LEON BRICE	2,969,074
LI, CHI-MING KEVIN	2,964,313	LU, YU	2,972,551	MCCANN, STEPHEN	2,972,830
LI, HAITING	2,972,387	LUAN, CHUN	2,972,661	MCDANIEL, CATO	2,972,249
LI, JIN	2,972,927	LUCIFER LIGHTING COMPANY	2,971,209	MCDANIEL, CATO RUSSELL	2,972,246
LI, SHAOJUN	2,972,281	LUMPHORE, INC.	2,972,080	MCFEDRIES, JONATHAN STUART	2,972,229
LI, SHAOJUN	2,972,282	LUO, YUPING	2,972,431	MCMAHON, MICHAEL	2,972,789
LI, WANQIANG	2,972,387	LUTTRILL, JEFFREY K.	2,972,416	MCMASTER UNIVERSITY	2,972,638
LI, WEI	2,972,295	LUTTRILL, JEFFREY K.	2,972,420	MFA INC.	2,972,824
LI, WEI	2,972,571	LUTTRILL, JEFFREY K.	2,972,438	MEADOR, JAMES, III	2,972,822
LI, WENYUE	2,972,571	LY, HAIXING	2,972,558	MEADOW, WILLIAM	2,973,006
LI, XIAOMIN	2,972,833	LYNCH, BRIAN A.	2,969,122	MEDICAL METRICS, INC.	2,971,203
LIANG, YANKE	2,972,239	LYNCH, JOE	2,972,391	MEDINA, JUAN CARLOS	2,969,687
LIAO, HUA-XIN	2,972,231	M-I L.L.C.	2,969,139	MEDTRONIC MINIMED, INC.	2,969,217
LICHTARGE, OLIVIER	2,965,163	MACCHI, ARTURO	2,969,612	MEHTA, VIKRAM	2,972,825
LIFETIME INDUSTRIES, INC.	2,969,702	MACE, CATHERINE	2,953,113	MELALEUCA, INC.	2,972,457
LIN, CHUANGYU	2,972,834	MACHIDA, SATOSHI	2,972,864	MELALEUCA, INC.	2,972,606
LIN, HSIANG-PIN	2,972,567	MAERTENS, ANDREW JOSEPH	2,972,630	MEMORIAL SLOAN-KETTERING CANCER CENTER	2,963,934
LIN, RENHE	2,969,694	MAGDA, DARREN	2,972,080	MERSEN FRANCE AMIENS SAS	2,965,878
LINDBERG, ALLISON P.	2,972,800	MAGEDOV, IGOR	2,972,787	MESSIER, MARIA T.	2,973,004
LING, LEONA E.	2,972,822	MAGGARD, JAY	2,969,223	MEYER, KEVIN	2,972,401
LINTEREUR, LOUIS J.	2,969,217	MAGULURU, MADHUKAR	2,969,520	MEYER, KEVIN G.	2,972,403
LITOVCHICK, ALEXANDER	2,972,275	MAHDEVARI, ALI	2,972,281	MEYER, KEVIN G.	2,972,408
LITTEN, NEIL	2,971,076	MAHDEVARI, ALI	2,972,282	MEYER, KEVIN G.	2,972,413
LITTLE, ELIZABETH	2,969,327	MAHE, MAXIME MICKAEL	2,963,704	MEYER, KEVIN G.	2,972,551
LIU, BOREN	2,972,283	MAI, SON	2,972,966	MEYER, WILLIAM ERIC, JR.	2,969,760
LIU, JIHUA	2,972,268	MAJETI, BHARAT	2,972,268	MEYERS, DAVID O.	2,972,250
LIU, JIHUA	2,972,270	MAJETI, BHARAT	2,972,270	MICKLE, TRAVIS	2,969,221
LIU, KO-JIUNN	2,972,339	MAJOR, JULIA	2,972,881	MICRO MOBILITY SYSTEMS AG	2,971,656
LIU, LEI	2,972,342	MALLOZZI, MATTHEW ROBERT	2,972,646	MIDEA GROUP CO., LTD.	2,972,661
LIU, LEI	2,972,345	MALLOZZI, MATTHEW ROBERT	2,972,646	MILLER, LINDSAY	2,972,472
LIU, MINYONG	2,972,661	MALLOZZI, MATTHEW ROBERT	2,972,646	MILLWARD, KELLY ANN	2,969,457
LIU, WENBIN	2,972,571	MALLOZZI, MATTHEW ROBERT	2,972,646	MILONE, MICHAEL C.	2,972,597
LIU, YUE	2,972,558	MALLOZZI, MATTHEW ROBERT	2,972,646	MIMOUNI, ARNAUD	2,964,846
LIU, ZHENGCHUN	2,972,409	MALLOZZI, MATTHEW ROBERT	2,972,646	MIMURA, AKIHIRO	2,972,746
LIU, ZHENGCHUN	2,972,411	MALLOZZI, MATTHEW ROBERT	2,972,646	MINGIONE, LOUIS P.	2,972,789
LO, YUK-MING DENNIS	2,973,025	MALLOZZI, MATTHEW ROBERT	2,972,646	MINOMI, KENJIROU	2,972,209
LOBODA, ALEXANDER V.	2,972,418	MALLOZZI, MATTHEW ROBERT	2,972,646	MINOMI, KENJIROU	2,972,265
LOBODA, ALEXANDER V.	2,972,500	MALLOZZI, MATTHEW ROBERT	2,972,646	MINOMI, KENJIROU	2,972,268
LOCHET, LAURENT	2,965,878	MALLOZZI, MATTHEW ROBERT	2,972,646	MINOMI, KENJIROU	2,972,270
LOCKHEED MARTIN CORPORATION	2,969,337	MALLOZZI, MATTHEW ROBERT	2,972,646	MIRA CASTILLO, JOHN JAIRO	2,959,472
LOGAN, MARTIN C.	2,972,343	MALLOZZI, MATTHEW ROBERT	2,972,646	MITCHELL, ROBERT FRANKLIN	2,972,390
LOK, YING-YUNG	2,972,339	MALLOZZI, MATTHEW ROBERT	2,972,646	MIYAMOTO, TAKEHISA	2,945,567
LONEY, GREGORY	2,972,587	MALLOZZI, MATTHEW ROBERT	2,972,646	MIZUSAKI, TOMOTERU	2,972,873
LONGAKER, MICHAEL T.	2,972,592	MALLOZZI, MATTHEW ROBERT	2,972,646	MOELLERING, ERIC	2,972,454
LONGINO, AUSTIN RANDOLPH	2,972,684	MALLOZZI, MATTHEW ROBERT	2,972,646		
LONZA LTD	2,969,612	MALLOZZI, MATTHEW ROBERT	2,972,646		
LORENZONI, STEFANO	2,963,454	MALLOZZI, MATTHEW ROBERT	2,972,646		
LORIMER, ADAM	2,972,472	MALLOZZI, MATTHEW ROBERT	2,972,646		

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MOMENTA		NATIONAL INSTITUTE OF		NU FLOW TECHNOLOGIES	
PHARMACEUTICALS,		BIOLOGICAL SCIENCES,		2000 INC.	2,972,628
INC.	2,972,822	BEIJING	2,972,294	NUCANA BIOMED LIMITED	2,959,977
MONIRABBASI, SALMAN	2,969,217	NATIONAL INSTITUTE OF		NUJENS, TIMO	2,962,903
MONSANTO TECHNOLOGY		BIOLOGICAL SCIENCES,		NXTHERA, INC.	2,972,819
LLC	2,972,466	BEIJING	2,972,366	NYE, JAMES E.	2,970,553
MONTIBELLO TECHNOLOGY		NATIONAL OILWELL VARCO,		O'CONNOR, RYAN	2,972,810
SERVICES LTD.	2,972,280	L.P.	2,972,801	O'REAR, JESSICA	2,972,912
MONTECURRO, MICHAEL		NATIONAL UNIVERSITY		OBSHCHESTVO S	
PETER	2,972,830	CORPORATION CHIBA		OGRANICHENNOY	
MONTETH, SHAWN	2,972,908	UNIVERSITY	2,972,226	OTVETSTVENNOST'YU	
MONTRELAY, NICOLAS	2,969,074	NATURESAL, INC.	2,964,759	"OBEDINENNAYA	
MOORE, LUCAS	2,972,260	NAUTILUS, INC.	2,972,578	KOMPANIYA RUSAL	
MOORE, LUCAS	2,972,396	NAYAK, SUBHENDU	2,972,457	INZHENERNO-	
MORAN, THOMAS H.	2,972,578	NAYAK, SUBHENDU	2,972,606	TEKHNOLGICHESKIY	
MORAVICK, KEITH	2,972,587	NEBIOLO, MARCO	2,969,181	TSENTR"	2,972,376
MOREIRA DA COSTA,		NEC CORPORATION	2,972,227	OBSHCHESTVO S	
MARCELO	2,972,260	NEC PLATFORMS, LTD.	2,964,669	OGRANICHENNOY	
MORINO, GERARDO	2,972,825	NELSON, KIMBERLY	2,972,810	OTVETSTVENNOST'YU	
MORETON, DAVID J.	2,969,679	NESTEC S.A.	2,953,113	"OBEDINENNAYA	
MORETON, DAVID J.	2,969,712	NESTEC S.A.	2,962,872	KOMPANIYA RUSAL	
MORGAN, PHILIP JOHN	2,972,509	NEW MEXICO TECH		INZHENERNO-	
MORGAN, RICHARD GARY	2,972,888	RESEARCH		TEKHNOLGICHESKIY	
MORGAN, RICHARD GARY	2,972,964	FOUNDATION	2,972,787	TSENTR"	2,972,640
MORIN, RUSSELL WALTER	2,972,252	NEW WEST ANALYTICS		OCHIAL, TOORU	2,972,214
MORPHOTRUST USA, LLC	2,972,798	CORPORATION	2,969,852	OERTLEY, THOMAS E.	2,971,181
MORPHOTRUST USA, LLC	2,972,821	NEW YORK AIR BRAKE, LLC	2,969,615	OGATA, TOMOMI	2,972,574
MORTENSEN, PER	2,969,358	NEWHOUSE, BENJAMIN	2,972,706	OJAI RETINAL	
MORTON, EDWARD JAMES	2,972,886	NEWTON, CHRISTOPHER	2,972,593	TECHNOLOGY, LLC	2,972,416
MOSQUERA LOPEZ, SANDRA	2,959,472	NEWTON, CHRISTOPHER	2,972,595	OJAI RETINAL	
MOTODA, SATOSHI	2,972,208	NGUYEN, DANNY	2,972,424	TECHNOLOGY, LLC	2,972,420
MOTOOKA, KUNIIHIKO	2,972,857	NGUYEN, DANNY	2,972,431	OJAI RETINAL	
MOURI, TAKU	2,972,745	NGUYEN, DEBORAH LYNN		TECHNOLOGY, LLC	2,972,438
MTD PRODUCTS INC	2,969,223	GREENE	2,962,778	OKUBO, KOSHU	2,972,397
MUHAMMAD, TARIQ	2,972,450	NICHOLS, RALPH LYNN	2,972,382	OLINER, JONATHAN DANIEL	2,964,470
MULLDOON, JOSEPH	2,966,169	NIELSON, STEPHANIE Y.	2,972,606	OLIVO, TONY	2,972,897
MULLINS, CHANCE R.	2,972,766	NIITSU, YOSHIRO	2,972,209	OLSON, ERIK C.	2,972,968
MUNERA, JORGE	2,963,704	NIMON, VITALIY	2,969,113	OLSON, KAREN	2,972,445
MUNOZ, LENKA	2,970,956	NIMON, VITALIY	2,969,117	OMNICELL, INC.	2,972,825
MURATORI, ADAM	2,972,482	NIMON, YEVGENIY S.	2,969,113	OMORI, NAOMICHI	2,972,368
MURKUNDE, ROHAN		NIMON, YEVGENIY S.	2,969,117	ONE FACTOR HOLDINGS LLC	2,972,504
GOVIND	2,968,968	NIPPON STEEL & SUMITOMO		ONG, AZALEA	2,963,558
MURLIDHARAN, GIRIDHAR	2,972,807	METAL CORPORATION	2,969,250	ONY INC.	2,972,596
MURPHY, BRIAN	2,972,662	NISSAN MOTOR CO., LTD.	2,972,354	OPTIMEDICA CORPORATION	2,964,897
MURPHY, WILLIAM L.	2,972,598	NITTO DENKO		OPTIMEDICA CORPORATION	2,965,004
MURRAY, MICHAEL	2,972,908	CORPORATION	2,972,209	ORASIS MEDICAL, INC.	2,972,793
N.E. CHEMCAT		NITTO DENKO		OREGON STATE UNIVERSITY	2,972,653
CORPORATION	2,972,873	CORPORATION	2,972,265	OREN, ELAD	2,972,739
N.V. HOLMATRO	2,972,372	NITTO DENKO		ORFT INDUSTRIES N.V.	2,972,191
NAGAMORI, KIYOTAKA	2,972,873	CORPORATION	2,972,268	ORGANOVO, INC.	2,962,778
NAGASHIMA, TAKEYUKI	2,972,230	NITTO DENKO		ORGENESIS LTD.	2,972,569
NAHEIRI, TARIK	2,972,648	CORPORATION	2,972,270	OTTE, JOHN F.	2,972,966
NAKAI, TAKAYUKI	2,972,858	NIXON, ANDREW	2,972,800	OUTOTEC (FINLAND) OY	2,969,735
NAKAMURA, NAOMICHI	2,972,864	NOKIA TECHNOLOGIES OY	2,972,332	OVALIE INNOVATION S.A.S.	2,969,283
NAKAMURA, YOKO	2,972,873	NORDBERG, ANDREA	2,972,662	OXFORD, JAMES ANDY	2,970,304
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NARINE, SURESH	2,972,281	NOTO, KEITH D.	2,964,780	INDUSTRIES, LLC	2,972,648
NARINE, SURESH	2,972,282	NOTO, KEITH D.	2,964,902	PAGE, CHARLES D.	2,972,598
NARITA, HIDEKAZU	2,972,869	NOTO, KEITH D.	2,964,905	PAHMET LLC	2,972,903
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PAPANICOLAOU, DIMITRIS	2,969,800	POTISEK, STEPHANIE L.	2,969,687	RIEGER, HUBERT	2,971,627
PARISSENTI, GUIDO	2,969,181	POWELL, DANIEL J., JR.	2,972,597	RIEGER, HUBERT	2,971,660
PARK, BRIAN VANDELLYN	2,972,395	POWELL, GREG	2,972,343	RIEGER, HUBERT	2,971,663
PARK, KI HONG	2,966,149	POWELL, GREG	2,972,345	RIGOLI, JARED	2,972,401
PARK, NICHOLAS	2,971,010	POWER, WILLIAM R.	2,972,593	RIGOLI, JARED	2,972,403
PASQUA, JOHN	2,972,468	POWER, WILLIAM R.	2,972,595	RIGOLI, JARED	2,972,408
PASQUET, DENIS	2,971,001	POZZI, SAMANTHA	2,969,790	RIGOLI, JARED	2,972,551
PATEL, PRANAV	2,972,969	PPG INDUSTRIES OHIO, INC.	2,965,977	RIOS, GABRIELLE A.	2,972,754
PATEL, SWAPNESH	2,972,901	PPG INDUSTRIES OHIO, INC.	2,969,352	ROBERGE, DOMINIQUE	2,969,612
PATEL, VINAY G.	2,972,816	PRADHAN, ANSHU A.	2,972,240	ROBERSON, MARK	2,972,853
PECKELS, WILLIAM	2,972,966	PRATT, DEWAYNE	2,972,356	ROBERSON, MARK	2,972,854
PEI, SHUANG	2,972,833	PRC-DESOTO		ROBERTS, NICHOLAS ALAN	2,972,509
PELINESCU, ION	2,969,352	INTERNATIONAL, INC.	2,969,694	ROBERTSON, NATALIE MAY	2,972,229
PELLE, EDWARD	2,969,421	PRESNELI, SHARON C.	2,962,778	ROBINSON, CORY MICHAEL	2,966,498
PENG, HONGDAO	2,972,571	PUNIELLO, PAUL	2,972,482	ROBINSON, RONALD	2,972,424
PENG, WEIHONG	2,972,295	PYLKKANEN, VESA	2,972,810	ROBINSON, RONALD	2,972,431
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PENOV, FRANCISLAV	2,972,684	Q12 ELEMENTS, LLC	2,972,274	ROGELJ, SNEZNA	2,972,787
PERELYGIN, ALEXANDER	2,972,670	QUAEDELEG, PETER JAN		ROMERO, JAVIER	2,964,846
PERNODET, NADINE	2,969,421	LEONARD MARIO	2,962,903	RONINSON, IGOR B.	2,972,771
PIERRIN, CHAD	2,972,966	QUENEUDECK-TKINT,		ROOKS, DANIEL	2,969,800
PIERROT, BENJAMIN A.	2,969,149	MICHELE	2,969,074	ROORYCK, MAXIME	2,971,300
PETERSEN, ERIC	2,972,470	RA, YOTAKU	2,972,924	ROORYCK, MAXIME	2,971,348
PETERSON, BRUCE	2,969,426	RABOVSKY, ALEXANDER B.	2,972,606	ROORYCK, THIHAUT	2,971,300
PETERSON, BRUCE	2,969,441	RACKERS, KEVIN JOSEPH	2,969,149	ROORYCK, THIHAUT	2,971,348
PETERSON, BRUCE	2,969,443	RAGHUNATHAN, RAMESH		ROSEMOUNT INC.	2,966,498
PETERSON, BRUCE	2,969,444	KUMAR	2,972,382	ROSEN, BARIARA	2,972,912
PETERSON, CARYN	2,972,916	RAJAGOPALAN, RAJKANNAN	2,972,635	ROSKI, JAMES P.	2,969,679
PETERSON, PAUL	2,972,392	RAJWA, BARTLOMIEJ	2,972,960	ROSKI, JAMES P.	2,969,712
PETREIKOV, MARINA	2,972,739	RAMACHANDRAN, BHASKAR		ROSSEINSKY, MATTHEW	2,968,634
PETRI, NICLAS AXEL	2,969,301	M.	2,972,654	ROTH, EMMANUEL	2,971,367
PEYTON, ANTHONY J.	2,972,886	RAMIREZ CORREA,		ROUBENOFF, RENNEN	2,969,800
PHILIP MORRIS PRODUCTS		EDUCRECIA MARIA	2,959,472	ROWLANDS, STEPHEN E.	2,969,419
S.A.	2,971,116	RAMOS, JULIAN	2,972,811	ROY, JOSEPH M.	2,972,261
PIAO, CHENGHAO	2,972,924	RAMSAY, TRAVIS	2,972,391	ROY, SUCHARITA	2,972,822
PILLAI, PRASANTH KUMAR		RANGARAJAN, KESHAVA		ROZBICKI, ROBERT T.	2,972,240
SASIDHARAN	2,972,281	PRASAD	2,972,382	RUAN, HANYING	2,972,294
PILLAI, PRASANTH KUMAR		RAO, CHANDRA B.	2,969,694	RUAN, HANYING	2,972,366
SASIDHARAN	2,972,282	RAPISCAN SYSTEMS, INC.	2,972,886	RUBBERATKINS LIMITED	2,969,054
PILON, BENJAMIN JOSEPH	2,972,280	RASTOGI, PRABHAT	2,972,470	RUHLMANN, DENIS	2,969,180
PILON, BETTY JEAN	2,972,280	RAVAGNI, ALBERTO	2,973,030	RUNWAY BLUE, LLC	2,972,250
PINK, ANTHONY	2,972,801	REDDING, GLENN	2,969,212	RUSTAD, ANDRE M.	2,972,789
PIONEER HI-BRED		REDIGER, RICHARD A.	2,969,134	SADR, CHANGIZE	2,970,964
INTERNATIONAL, INC.	2,963,558	REGENERON		SAIED, ABUBAKER	2,969,914
PIONEER HI-BRED		PHARMACEUTICALS,		SAFRAN AIRCRAFT ENGINES	2,966,306
INTERNATIONAL, INC.	2,972,912	INC.	2,963,315	SAINT-GOBAIN ISOVER	2,969,072
PISA CANYELLES, ROGER	2,971,081	REGENERON		SAITO, KUMIKO	2,972,576
PITANCE, GERARD	2,972,650	PHARMACEUTICALS,		SAKENAGA, CHIYO	2,972,212
PITTMOSS LLC	2,963,401	INC.	2,965,495	SAKURAI, MICHITAKA	2,972,741
PLETCHER, DIRK	2,969,751	REIFENBERG, JOHN P.	2,972,472	SALIMI-MOOSAVI, HOSSEIN	2,964,470
PLOUFFE, PATRICK	2,969,612	REIFF, PETER	2,969,480	SALLAS, JOHN JAMES	2,966,079
PODGORNY, IGOR A.	2,972,398	REINBIGLER, RENE	2,966,169	SAMMATUR, LEELADHAR	2,972,635
POLLARD, MICHAEL EDWIN	2,972,395	REINOSO-GARCIA, MARTA	2,968,968	SAMUEL, ROBELLO	2,972,356
POLYPLUS BATTERY		REMEZ, VICTOR PAVLOVICH	2,972,799	SAMUEL, ROBELLO	2,972,409
COMPANY	2,969,113	REN, YAN	2,972,294	SAMUEL, ROBELLO	2,972,411
POLYPLUS BATTERY		RESOCATOR, INC.	2,973,006	SANDVIK INTELLECTUAL	
COMPANY	2,969,117	RESPIRA THERAPEUTICS,		PROPERTY AB	2,971,627
POMERLEAU, DANIEL	2,972,663	INC.	2,972,826	SANDVIK INTELLECTUAL	
PORTNOY, VITALY	2,972,739	RIETZINA, THEODORA	2,972,810	PROPERTY AB	2,971,660
		RIAZI, ALI	2,972,568		

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SANDVIK INTELLECTUAL PROPERTY AB	2,971,663	SHARP KABUSHIKI KAISHA	2,972,860	SRINIVASAN, RAJESHWARI	2,965,004
SANTOS, JOSEPH MARION	2,972,503	SHEN, HUI	2,972,286	SRIVASTAVA, ALOK MANI	2,969,524
SANTOS, STEPHEN A.	2,964,759	SHEN, HUI	2,972,554	STAFFORD, RYAN	2,972,604
SAPPEY, ANDREW D.	2,972,253	SHEN, HUI	2,972,642	STANFORD, MARIANNE	
SAPPORO HOLDINGS LIMITED	2,972,869	SHEN, HUI	2,972,643	MICHELLE	2,972,635
SARRAZAC, PATRICK	2,966,490	SHEN, HUI	2,972,655	STARK, JAMES	2,969,139
SATO, AARON	2,972,604	SHEN, HUI	2,972,832	STATHOPOULOS, PETER	2,972,280
SATO, TOMOKI	2,972,346	SHEN, SHEN	2,972,922	STEARNS, RODNEY	2,972,892
SATO, TOMOKI	2,972,350	SHEN, SHIMUEL	2,972,807	STENHARDT, BIRGIT	2,972,881
SATO, TOMOKI	2,972,370	SHEN, SHULIN	2,972,739	STEVENS, JENNITTE LEANN	2,964,313
SAUCEDO, MARIO		SHEN, SHULIN	2,973,024	STEVENS, JONATHAN C.	2,972,769
LORENZANA	2,972,241	SHEN, YING	2,965,495	STOJANOVIC, LUKA	2,964,349
SAUDI ARABIAN OIL COMPANY	2,969,914	SHI, JIAQI	2,973,020	STONE, IVAN	2,972,827
SAWAI, NORIKATSU	2,972,869	SHI, JIAQI	2,973,022	STOPEK, JOSHUA B.	2,972,251
SCHAAFF, MICHAEL J.	2,972,776	SHI, YUCHEN	2,972,922	STORA ENSO OYJ	2,972,948
SCHABERG, MARK S.	2,969,424	SHIH, NENG-YAO	2,972,339	STREVEN, JOSEPH PATRICK WALTER	2,972,229
SCHACHTSCHABEL, DOREEN	2,972,881	SHIMIZU, TAKESHI	2,972,858	STRONG, FABIAN	2,972,240
SCHAEFFER, ARTHUR A.	2,972,739	SHIN, FELIX	2,968,634	STUV S.A.	2,972,650
SCHELLENBERGER, UTE	2,972,912	SHIRAI, MASANORI	2,972,869	SU, YANING	2,972,294
SCHIEPERS, ERIC J.	2,963,558	SHUMWAY, WILLIAM W.	2,972,249	SU, YANING	2,972,366
SCHILDKNECHT HOE, MIKKEL	2,969,358	SILCOFF, BRUCE	2,972,071	SUGITA, TAKAMASA	2,972,746
SCHLEUNIGER, ROMAN	2,968,278	SILVA ZOLEZZI, IRMA	2,953,113	SULLIVAN, ERIC C.	2,970,304
SCHLUMBERGER CANADA LIMITED	2,969,750	SILVER, JONATHAN	2,972,071	SUN, CHANGHAI	2,972,834
SCHIRM, MARK	2,972,819	SILVERNAIL, CARTER M.	2,972,968	SUN, LIMING	2,972,366
SCHUE, MATTHEU	2,964,151	SIMAKOV, DMITRIY	2,972,376	SUN, PEI	2,972,974
SCHUELE, GEORG	2,965,004	ALEKSANDROVICH		SUN, YEWEL	2,972,835
SCHULTZ, WILLIAM	2,969,720	SIMAKOV, DMITRIY	2,972,640	SUNDAK, DEEPAK	2,972,892
SCHWARTZ, MICHAEL P.	2,972,598	ALEKSANDROVICH	2,972,744	SUNTYCHI, JON DAREN	2,972,485
SCHWARZER, MAX ALLEN	2,972,990	SINGH, AJAY I.	2,972,789	SUPER SONIC IMAGINE	2,964,186
SCOTT, DAVID D.	2,965,004	SINGH, MAYA P.	2,972,789	SUPPES, GALEN J.	2,972,581
SCULLIN, MATTHEW L.	2,972,472	SINTERLEGHE S.R.L.	2,969,380	SUZUKI, MUNENORI	2,972,619
SEALE, JOSEPH B.	2,972,784	SISAILMATUTKIMUSPAVEL		SUZUKI, YOSHIKAZU	2,972,741
SEATTLE GENETICS, INC.	2,972,827	UT ELISA AATTELA OY	2,972,162	SWANSEA UNIVERSITY	2,963,744
SEB S.A.	2,969,068	SISAY, MIHRET TEKESTE	2,972,881	SWENSON, DAVID	2,972,587
SEB S.A.	2,969,069	SISTA, SUBRAHMANYAM		SYNTHETIC GENOMICS, INC.	2,972,454
SEB S.A.	2,969,175	SURYA VENKATA	2,972,888	TA, DUY-AN	2,972,285
SEIKAGAKU CORPORATION	2,972,212	SISTA, SUBRAHMANYAM		TADA, ATSUSHI	2,972,746
SEKI, YASUHIRO	2,972,873	SURYA VENKATA	2,972,964	TADINADA, MAALIKA	2,972,813
SELPH, JEFFREY L.	2,972,816	SITMA MACHINERY S.P.A.	2,971,994	TADMOR, YAAKOV	2,972,739
SERCEL	2,966,079	SKAMAGKI, MARIA	2,963,934	TAGA, MASASHI	2,972,746
SERRURIER, DOUGLAS C.	2,969,520	SKYBA, DANNY	2,964,186	TAIMEI, PASHI	2,972,897
SERVICENOW, INC.	2,972,813	SLOAN, RONALD J.	2,972,633	TAKADA, NAOTO	2,972,574
SERVICENOW, INC.	2,972,885	SLOAN, WALKER M.	2,972,784	TAKAHASHI, HIROKAZU	2,972,265
SERVICENOW, INC.	2,972,901	SLUCHENKOV, OLEG		TALASAZ, AMIRALI	2,972,433
SERVICES AUTOMOBILES GRANTUNED INC.	2,972,285	VALENTINOVICH	2,972,376	TAMAKI, EIICHIRO	2,962,721
SEVEN BRIDGES GENOMICS INC.	2,964,349	SLUCHENKOV, OLEG	2,972,640	TAMURA, YASUAKI	2,972,268
SHAH, VIRAL	2,972,901	VALENTINOVICH	2,972,314	TAN, YUANDONG	2,972,657
SHAHIN, DEA	2,972,568	SMITH & NEPHEW PLC	2,965,386	TANAKA, HIROYUKI	2,972,209
SHAN, LUCHEN	2,972,835	SMITH, DONALD M.	2,972,801	TANAKA, KENSUKE	2,972,226
SHANDONG PROSPEROUS STAR		SMITH, JOSEPH KYLE	2,972,233	TANG, XIANGWEI	2,972,661
OPTOELECTRONICS CO., LTD.	2,972,283	SMITH, JOSHUA AARON	2,972,769	TANK, HOLGER	2,972,342
SHANKEY, T. VINCENT	2,972,960	SMITH, MICHAEL W.	2,972,826	TAO, LIANG	2,972,835
SHAO, XIAOQUANG	2,972,571	SMYTH, HUGH	2,964,759	TAOKA, NAOAKI	2,972,745
SHARP KABUSHIKI KAISHA	2,972,349	SOBEL, ROBERT M.	2,962,722	TATE, STEPHEN A.	2,966,315
SHARP KABUSHIKI KAISHA	2,972,859	SODE, KATSUYA	2,969,457	TATSUMI, RYOSUKE	2,972,351
		SOUTER, PHILIP FRANK	2,969,458	TAVERNER, DOMINO	2,972,616
		SOUTER, PHILIP FRANK	2,969,465	TAYLOR, ASHLEY D.	2,972,893
		SOUTHWESTERN ENERGY COMPANY	2,972,445	TAYLOR, JOSEPH D.	2,972,902
		SOUTO, ESTEBAN RICARDO	2,972,504	TEDESCHI, EUGENIO	2,969,380
		SPALDING, CRAIG	2,969,054	TEIKOKU PRINTING INKS MFG. CO., LTD.	2,972,574
		SPINAL ELEMENTS, INC.	2,972,788		
		SRINIVASAN, RAJESHWARI	2,964,897		

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TENDER, NEIL H.	2,972,450	TIANJIN HONGRI JIAN DA KANG MEDICAL TECHNOLOGY CO., LTD	2,972,834	UNIVERSITY OF WASHINGTON	2,972,811
TENDYNE HOLDINGS, INC.	2,972,966	TJANIC, NEBOJSA	2,964,349	URE, COLIN	2,969,457
TERADA, ERIKA	2,972,265	TITAN TRAILERS INC.	2,972,630	URE, COLIN	2,969,458
TERAO, CHIAKI	2,964,669	TOFCO INDUSTRIES, INC.	2,972,277	URE, COLIN	2,969,465
TERAO, GEN	2,972,370	TOFFLEMIRE, DAVID	2,972,277	URRUTIA MUNOZ, LISSET AMPARO	2,969,419
TETREAULT, MICHAEL	2,972,908	TOPLAK, ANA	2,962,903	UTSUNOMIYA, MASAMICHI	2,962,722
THALES ALENIA SPACE ITALIA S.P.A. CON UNICO SOCIO	2,969,181	TORAY INDUSTRIES, INC.	2,962,721	UTTING, ROBERT W., JR.	2,972,893
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY	2,972,592	TORAY INDUSTRIES, INC.	2,962,722	VALENT U.S.A. LLC	2,972,654
THE CHINESE UNIVERSITY OF HONG KONG	2,973,025	TORIHATA, TAKUYA	2,972,574	VALENZUELA, DAVID M.	2,963,315
THE CROSBY GROUP LLC	2,972,767	TOWNLEY, FRASER	2,972,414	VALLEZ, SIMON	2,966,079
THE GILLETTE COMPANY LLC	2,970,152	TOWNSEND, CHRISTOPHER	2,957,612	VALLOUREC OIL AND GAS FRANCE	2,969,250
THE LUBRIZOL CORPORATION	2,969,651	TOYLI, MATTHEW	2,969,426	VALUE FEET	2,971,300
THE LUBRIZOL CORPORATION	2,969,679	TOYOHARA, ERNESTO ISAM ARAO	2,972,241	VALUE FEET	2,971,348
THE LUBRIZOL CORPORATION	2,969,712	TREJO, GUILLERMO	2,972,825	VAN DER LAAN, JAN METSKE	2,962,903
THE LUBRIZOL CORPORATION	2,969,719	TRENT UNIVERSITY	2,972,281	VAN HEUGHTEN, ANTHONY	2,972,909
THE PROCTER & GAMBLE COMPANY	2,968,968	TRENT UNIVERSITY	2,972,282	VAN HILL, JEREMY ALAN	2,971,004
THE PROCTER & GAMBLE COMPANY	2,969,457	TRESCH, STEFAN	2,972,881	VASAVADA, YASH	2,972,450
THE PROCTER & GAMBLE COMPANY	2,969,458	TRIFILIEFF, ESTELLE	2,969,800	VEGA, JONPAUL	2,970,553
THE PROCTER & GAMBLE COMPANY	2,969,465	TRIGEMINA, INC.	2,972,975	VENIANT-ELLISON, MURIELLE	2,964,470
THE STATE OF ISRAEL, MINISTRY OF AGRICULTURE & RURAL DEVELOPMENT, AGRICULTURAL RESEARCH ORGANIZATION (ARO) (VOLCANI CENTER)	2,972,739	TRIPLETT, DANIEL J.	2,972,664	VENTANA MEDICAL SYSTEMS, INC.	2,969,327
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	2,972,597	TRIVIDIA HEALTH, INC.	2,972,468	VERBRUGGE, PETER	2,972,767
THE UNIVERSITY OF KANSAS	2,952,029	TROSS, MARTIN	2,972,903	VERONESE, THIERRY	2,969,283
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	2,972,807	TROTTET, GREGORY W.	2,962,872	VERRECK, GEERT	2,969,661
THE UNIVERSITY OF SYDNEY	2,970,956	TRUINJECT CORP.	2,972,754	VERRUTO, JOHN	2,972,454
THEODOSSIOU, ALEXANDER PATRICK	2,969,726	TSAL, SHIH-CHONG	2,972,339	VIABIZZUNO S.R.L.	2,972,199
THERRIEN, PETER N.	2,972,272	TSAL, YA-WEI	2,972,339	VICKERS, PAUL	2,972,333
THIMMAPPA, MOHAN	2,972,813	TSCHIRHART, DAVID ALLEN	2,972,261	VICTOR EQUIPMENT COMPANY	2,969,212
THIRUCOTE, RAMACHANDRAN	2,972,975	TSENG, SHIH-CHI	2,972,339	VIDAL, GEORGES	2,966,490
THOMAS, GRANT AARON	2,972,470	TSUBOI, HIIDEKAZU	2,972,859	VIDLUND, ROBERT	2,972,966
THOMSON, JAMES A.	2,972,598	TSUBOI, HIIDEKAZU	2,972,860	VIDLUND, ZACH	2,972,966
THURMOND, KENNETH BRUCE	2,972,789	TSURU, NAOKI	2,972,370	VIEW, INC.	2,972,240
		TUDORACHE, DIANA	2,964,576	VILBERT, ARNAUD	2,969,283
		TUDYK, MIRIAM	2,972,343	VILLEGAS ESCOBAR, VALESKA	2,959,472
		TUDYK, MIRIAM	2,972,345	VINCELETTE, ANDRE R.	2,972,616
		TURLAN-VAN DER HOEVEN, MANON	2,972,176	VINCENDEAU, CHRISTOPHE	2,969,185
		TURLAN-VAN DER HOEVEN, MANON	2,972,181	VIRNELSON, BRUCE	2,969,694
		TURLAN-VAN DER HOEVEN, MANON	2,972,190	VISCO, STEVEN J.	2,969,113
		TURNER, KHOI	2,972,754	VISCO, STEVEN J.	2,969,117
		TURTLETECH DESIGN, INC.	2,972,243	VIVINT, INC.	2,970,553
		UBE INDUSTRIES, LTD.	2,972,226	VOGT, FLORIAN	2,972,881
		UEKITA, KEN	2,972,745	VOSKINARIAN-BERSE, VANESSA	2,972,662
		UEMURA, KATSUNARI	2,972,859	VU, SCOTT KHOI	2,972,473
		UEMURA, KATSUNARI	2,972,860	VULDY, PAUL-LOUIS	2,972,298
		UNIVERSIDAD EAFIT	2,959,472	WAGNER, RICHARD W.	2,972,275
		UNIVERSITE DE PICARDIE JULES VERNE	2,969,074	WAICUKAUSKI, JAMES A.	2,969,337
		UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED	2,964,621	WAL-MART STORES, INC.	2,972,629
		UNIVERSITY COURT OF THE UNIVERSITY OF ST ANDREWS	2,972,331	WAL-MART STORES, INC.	2,972,893
		UNIVERSITY OF MODENA AND REGGIO EMILIA	2,969,790	WAL-MART STORES, INC.	2,972,902
		UNIVERSITY OF SOUTH CAROLINA	2,972,771	WALBURN, FREDERICK J.	2,972,582
				WALDHAUSER, STEVEN L.	2,972,459
				WALKER, GARY M.	2,969,679
				WALKER, GARY M.	2,969,712
				WALSH, JAMES F.	2,972,508

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WANG, LEI	2,972,295	WONG, KWOK-KIN	2,972,958	YOUNG, STEVEN PHILIP	2,969,139
WANG, LI	2,972,270	WORKMAN, MICHAEL J.	2,963,704	YU, HUA	2,972,986
WANG, NAIGE	2,972,295	WORLD CLASS		YU, JIANXUE	2,972,558
WANG, XIAODONG	2,972,294	TECHNOLOGY		YU, PEI	2,972,835
WANG, XIAODONG	2,972,366	CORPORATION	2,963,893	YU, XIN	2,972,571
WANG, XUELIN	2,972,401	WRIGHT, ERIC C.	2,969,615	YU, XUETAO	2,972,317
WANG, XUELIN	2,972,571	WU, BIAN	2,962,903	YUAN, LIWEI	2,972,466
WANG, YONG	2,964,780	WU, CHIA-CHENG	2,972,339	YUAN, QUAN	2,969,327
WANG, YONG	2,964,905	WU, CHUNG-HSIUN	2,972,339	YUAN, SIHUA	2,972,317
WANG, YUQIANG	2,972,835	WU, CHUNG-YI	2,972,731	YUAN, TA-TUNG	2,972,339
WARREN, JEREMY B.	2,970,553	WU, INDIRA	2,972,969	YUAN, XINCHENG	2,972,283
WASILEWSKI, LESZEK	2,969,305	WU, SHUNG	2,972,927	YUTOU TECHNOLOGY	
WATANABE, TOYOAKI	2,972,745	WU, YI JUANG	2,972,834	(HANGZHOU) CO., LTD.	2,973,019
WATERMAN, PAUL	2,972,424	WYATT, PAUL	2,972,969	YUTOU TECHNOLOGY	
WATSON, CAREY L.	2,963,704	X-CHEM, INC.	2,972,275	(HANGZHOU) CO., LTD.	2,973,020
WATSON, ELENA MAEVE	2,971,010	XIA, YANG	2,972,974	YUTOU TECHNOLOGY	
WATT, STEVEN ROBERT	2,972,233	XIANT TECHNOLOGIES, INC.	2,972,485	(HANGZHOU) CO., LTD.	2,973,022
WEATHERFORD		XIE, WEIPING	2,972,912	ZAN, YANLU	2,972,833
TECHNOLOGY		XIONG, PA N.	2,969,424	ZENG, FANGCHENG	2,972,571
HOLDINGS, LLC	2,960,731	XO SCIENCE LLC	2,972,816	ZHANG, FEINA	2,972,661
WEATHERFORD		XU, JIDE	2,972,080	ZHANG, GAOXIAO	2,972,835
TECHNOLOGY		XU, JING	2,964,470	ZHANG, JUN	2,972,265
HOLDINGS, LLC	2,969,720	XU, SHUNHONG	2,972,657	ZHANG, JUNHUA	2,972,466
WEATHERFORD		XU, WEN	2,968,634	ZHANG, MING	2,972,317
TECHNOLOGY		XU, YINGQING	2,969,692	ZHANG, TINGHU	2,972,239
HOLDINGS, LLC	2,972,616	XU, ZHEN	2,972,826	ZHANG, WENZENG	2,972,571
WEI, DONGDONG	2,972,571	XU, ZHIYUE	2,969,692	ZHANG, XIAOKUI	2,972,806
WEI, JUN-ZHI	2,972,912	YAMADA, AKINORI	2,972,393	ZHANG, YANSHI	2,969,651
WEI, LEI	2,972,295	YAMADA, MASAMICHI	2,972,212	ZHANG, YANSHI	2,969,679
WEI, WUXIANG	2,956,859	YAMADA, SHOHEI	2,972,859	ZHANG, YANSHI	2,969,712
WEIR, GENEVIEVE MARY	2,972,635	YAMADA, SHOHEI	2,972,860	ZHANG, YING	2,972,974
WEISSMAN, IRVING L.	2,972,592	YAN, JIN	2,969,217	ZHANG, ZAIJUN	2,972,835
WELLS, JAMES M.	2,963,704	YAN, LU	2,972,295	ZHANG, ZHIHUI	2,969,692
WEN, ZHIGUO	2,972,317	YAN, ZHUN	2,972,568	ZHANG, ZHIYUAN	2,972,294
WESCOTT, ANDREW DAVID	2,971,010	YANAGAWA, KOJI	2,972,869	ZHANG, ZHIYUAN	2,972,366
WHARTON, NICHOLAS	2,971,203	YANAGISAWA, ARATA	2,972,746	ZHAO, RONGGUO	2,969,478
WHITELEY CORPORATION		YANG, CHANGHUI	2,965,999	ZHAO, XINYING	2,972,834
PTY LTD	2,972,509	YANG, HANXIAO	2,962,721	ZHEJIANG XINZHOU	
WHITNEY, R. ROY	2,972,769	YANG, HONGSEOK	2,972,219	BAMBOO-BASED	
WIK, TORSTEN	2,971,522	YANG, HUIQING	2,973,024	COMPOSITES	
WIKIPAD, INC.	2,972,414	YANG, JUNHAO	2,972,604	TECHNOLOGY CO., LTD	2,973,024
WILKIN, JAMES FREDERICK	2,960,731	YANG, MENGBIN	2,972,897	ZHENG, ZOE	2,972,597
WILKINSON, CRAIG ADAM	2,969,457	YANG, MINMIN	2,972,927	ZHONG, XIAOHONG	2,972,912
WILKINSON, CRAIG ADAM	2,969,458	YAO, CHENGLIN	2,972,401	ZHOU, GONGBO	2,972,295
WILKINSON, CRAIG ADAM	2,969,465	YAO, CHENGLIN	2,972,403	ZHOU, HAIPING	2,972,833
WILLIAMS, ALEX	2,972,343	YAO, CHENGLIN	2,972,408	ZHOU, HUI	2,972,249
WILLIAMS, ALEX	2,972,345	YAO, CHENGLIN	2,972,413	ZHOU, JUNJIE	2,972,833
WILLIAMS, LEROY C.	2,969,213	YAO, CHENGLIN	2,972,551	ZHOU, LINYING	2,973,024
WILLIAMS, RASHIDA	2,972,568	YAO, XIAOQING	2,972,834	ZHU, GENHAI	2,972,912
WILLIS, JOSEPH E.	2,972,782	YE, LING	2,973,024	ZHU, XIN	2,973,024
WILLIS, THOMAS M. III	2,965,800	YE, XIANGNAN	2,972,246	ZHU, ZHENCAI	2,972,295
WILMOT, JEREMY	2,972,401	YEH, NORMAN K.	2,972,705	ZILBERBERG, JENNY	2,972,846
WILMOT, JEREMY	2,972,403	YELSHWARAPU, CHANDRA	2,972,382	ZIMMER, INC.	2,969,751
WILMOT, JEREMY	2,972,408	YEOMANS, DAVID C.	2,972,975	ZOLO TECHNOLOGIES, INC.	2,972,253
WILMOT, JEREMY	2,972,551	YI, YANNI	2,972,287		
WILSON, EDITH	2,972,825	YIN, XIHUI	2,972,260		
WILSON, KETH	2,972,662	YIN, XIHUI	2,972,396		
WIMMER, ROBERT	2,972,648	YING, WENBIN	2,972,265		
WIND, STEPHANIE DIANNE	2,960,731	YING, WENBIN	2,972,268		
WISCONSIN ALUMNI		YING, WENBIN	2,972,270		
RESEARCH		YONEDA, AKIHIRO	2,972,268		
FOUNDATION	2,972,598	YOPLAIT FRANCE	2,964,846		

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ABEL, KETH A.	2,972,665	CHAWAN, ARUN D.	2,971,046	GREENMAN, KEVIN LLOYD	2,965,223
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ADAMS, STEVEN P.	2,962,043	CHEN, CHIH-CHIANG	2,972,665	GUNTHER	
ADARE PHARMACEUTICALS, INC.	2,963,382	CHIASMA INC.	2,963,659	HEISSKANALTECHNIK GMBH	2,952,498
AGULNICK, ALAN D.	2,966,883	CHONG, JAYHONG	2,962,043	GUNTHER, HERBERT	2,952,498
ALBERS, KARSTEN	2,967,539	CHOU, LI-CHEN	2,963,390	HAYWARD, NEIL	2,962,043
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ANDERSON, ROBERT	2,960,504	CISCO TECHNOLOGY, INC.	2,971,726	HINDLE, W. SCOTT	2,966,882
ARKRAY, INC.	2,972,876	CLARK, DOUGLAS P.	2,971,968	HOBBS, PETER	2,957,194
ARKRAY, INC.	2,972,877	COLLINS, DAVID E.	2,971,041	HODGKINSON, GERALD	2,952,073
ASAOKA, CHISEI	2,965,391	COLLINS, DAVID E.	2,971,046	HORN, GUNTHER	2,967,539
AUSTRALIAN NUCLEAR SCIENCE AND TECHNOLOGY ORGANISATION	2,972,623	COMANDUCCI, MAURIZIO	2,960,687	HUANG, CHI-HUNG	2,963,390
AUTIO, JOAKIM	2,951,896	CONNECTICUT CONTAINER CORP.	2,952,173	HUANG, LI-JIAU	2,963,390
BAETGE, EMMANUEL	2,966,883	CORNELL RESEARCH FOUNDATION, INC.	2,971,928	HUANG, WOLIN	2,960,692
BAILEY, THOMAS R.	2,966,466	CORNELL RESEARCH FOUNDATION, INC.	2,971,929	HYNDMAN, ALEXANDER WILLIAM	2,966,882
BARTLETT, DOUGLAS ROBERT	2,966,882	COVIDIEN LP	2,952,073	IMPERIAL OIL RESOURCES LIMITED	2,964,911
BAUER, SHAWN M.	2,960,692	COVIDIEN LP	2,952,725	IMPERIAL OIL RESOURCES LIMITED	2,972,665
BAZIUK, OKSANA L.	2,964,911	CRAIN, STEPHEN G.	2,972,374	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE	2,957,704
BEARDSLEY, JOHN	2,952,725	D'AMOUR, KEVIN ALLEN	2,966,883	IVANTIS, INC.	2,972,136
BECTON DICKINSON AND COMPANY LTD.	2,971,919	DAI, DONGCHENG	2,966,466	IZADI, SHAHRAM	2,972,772
BECTON, DICKINSON AND COMPANY	2,972,165	DALE, JAMES D.	2,971,041	JENKINS, KURT ALLEN	2,972,772
BEIRNAERT, ELS	2,962,819	DALE, JAMES D.	2,971,046	JIA, ZHAOZHONG J.	2,960,692
BEISSBATH, TIM	2,960,504	DAWKINS, JOHN LEE	2,964,090	JOHNSTUN, JEREMIAH TRAVIS	2,972,374
BENKO, HRVOJE	2,972,772	DEAN, ALVAR A.	2,971,726	JORDAN, ROBERT	2,966,466
BERGERON, ALAIN	2,952,775	DEKA PRODUCTS LIMITED	2,971,041	JUNG, MICHAEL E.	2,966,280
BERMUDEZ, WALTER GUILLERMO	2,972,623	PARTNERSHIP	2,971,046	KAMEN, DEAN	2,971,041
BIOENGINEERING LABORATORIES, LLC	2,972,876	DEKA PRODUCTS LIMITED	2,971,046	KAMEN, DEAN	2,971,046
BIOENGINEERING LABORATORIES, LLC	2,972,877	PARTNERSHIP	2,971,046	KAMINISHI, KENSUKE	2,965,391
BIOMARKER STRATEGIES, LLC	2,971,968	DEL CAMINO, DONATO	2,962,043	KAPITZA, JAN	2,967,539
BODWELL, JESSE T.	2,971,041	DEMERS, JASON A.	2,971,041	KASE, MAI	2,952,448
BODWELL, JESSE T.	2,971,046	DEMERS, JASON A.	2,971,046	KASUYA, MASAHIKO	2,965,391
BRANAM, LLOYD B.	2,964,090	DIAMOND, SCOTT L.	2,971,968	KAURA, ANTTI	2,951,896
BROUARD, SOPHIE	2,957,704	EARNSHAW, GERALD C.	2,952,173	KAZLAS, PETER	2,957,194
BTG INTERNATIONAL LIMITED	2,960,504	ELIAZER, SUSAN	2,966,883	KERAMATI, BARZIN	2,957,194
BUJOLD, HERMEL	2,971,340	EXXONMOBIL UPSTREAM RESEARCH COMPANY	2,972,665	KLAUSMEYER, RODNEY L.	2,964,090
BURNIER, JOHN	2,960,117	FAN, PINGCHEN	2,965,223	KOKKO, LAURI	2,951,896
CALZA, RICHARD J.	2,972,165	FANGER, CHRISTOPHER	2,962,043	KOSTRZEWSKI, STANISLAW	2,952,073
CAMERON SYSTEMS AS	2,961,619	FLYNN, GARY A.	2,963,784	KRUSE, ALBRECHT	2,951,450
CAMIRE, RODNEY M.	2,971,971	FOLKVANG, JORN	2,961,619	KUO, SHENG-CHU	2,963,390
CIDG TECHNOLOGY INC.	2,957,194	FORT HILLS ENERGY L.P.	2,966,882	LARROCHE, BRIGITTE	2,953,428
CHAPMAN, JOHN T.	2,971,726	FORTIN, JACQUES	2,971,340	LARROCHE, JEAN	2,953,428
		FUJII, HIROSATO	2,972,063	LARSEN, GLENN R.	2,962,043
		GADEK, THOMAS	2,960,117	LEE, ANITA S.	2,972,665
		GILLINGHAM, BRIAN R.	2,972,374	LEE, KUO-HSIUNG	2,963,390
		GIRARD, VINCENT	2,971,340	LELETL, MANMOHAN REDDY	2,965,223
		GIROUX, ERIC	2,952,775		
		GOTTLIEB, BRIAN JEFF	2,916,309		
		GRANT, CHRIS L.	2,966,882		
		GRANT, KEVIN L.	2,971,041		

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LEONARD, JOSIE J.	2,972,374	RIIHIMAKI, TEPPU	2,951,896	TOYOTA, NAOMICHI	2,965,391
LI, YANGDONG	2,965,223	RINALDI, PAUL	2,952,725	TRAN, CHRIS	2,966,280
LONERGAN, DAVID GREGORY	2,963,784	RINGSTROM, JOHN PATRICK	2,966,882	TREDEL, CHARLOTTE	2,972,211
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MAKI, RICHARD R.	2,972,374	RIPLEY, RICHARD D.	2,972,371	TSUDA, HIROMICHI	2,965,391
MALONE, AMBER PATRICIA	2,972,374	RIPPIN, SUSAN R.	2,966,466	TSUGAWA, WAKAKO	2,972,876
MAMLUK, RONI	2,963,659	ROCKY MOUNTAIN COASTERS, INC.	2,972,086	TSUGAWA, WAKAKO	2,972,877
MANNKIND CORPORATION	2,963,784	ROHRBACK, DANIEL D.	2,964,090	TYCO HEALTHCARE GROUP LP	2,972,444
MANSFIELD, ELAINE	2,957,704	ROSE, JACK W.	2,960,692	TYE-DIN, JASON	2,960,504
MARCEK, GEOFFREY A.	2,971,041	ROSENBLATT, AARON	2,957,194	TZABARI, MOSHE	2,963,659
MARCEK, GEOFFREY A.	2,971,046	ROSENFELD, DANIEL	2,972,772	ULIMAN, FREDERIK	2,971,919
MARCHESE, LINDA	2,952,775	ROTHLIN, CARLA V.	2,960,659	ULTIZYME INTERNATIONAL LTD.	2,972,876
MARCZYK, STANISLAW	2,952,073	SABOURIN, DENNIS P.	2,972,374	ULTIZYME INTERNATIONAL LTD.	2,972,877
MARCZYK, STANISLAW	2,972,444	SALAMA, PAUL	2,963,659	USINAGE NUMERIQUE I.L.B. INC.	2,971,340
MAROM, KAREN	2,963,659	SANDE, GERALD	2,968,420	VALMET TECHNOLOGIES OY	2,951,896
MATTHEES, EDWARD	2,972,136	SANDE, JENNIFER	2,968,420	VENKATARAMANI, CHANDRASEKAR	2,960,692
MCWHORTER, THOMAS	2,957,194	SANTARPIO, RICHARD J.	2,971,726	VENKATESH, GOPI	2,963,382
MEHROTRA, MUKUND	2,960,692	SARCODE BIOSCIENCE INC.	2,960,117	VIACYTE, INC.	2,966,883
MICROSOFT TECHNOLOGY LICENSING, LLC	2,972,772	SARWAL, MINNIE	2,957,704	VILLAR, NICOLAS	2,972,772
MOBERG PHARMA AB	2,972,211	SATA GMBH & CO. KG	2,951,450	WARDLE, JOHN	2,972,136
MOCHIDA PHARMACEUTICAL CO., LTD.	2,972,063	SAWYERS, CHARLES L.	2,966,280	WAY, TZONG-DER	2,963,390
MOGENSEN, STINE	2,972,211	SCHAYOWITZ, ADAM	2,971,968	WAYMAN, BRIAN H.	2,972,165
MOGENSEN, TORBEN	2,972,211	SCHIEBER, ANDREW T.	2,972,136	WEIGELE, MANFRED	2,962,043
MORAN, MAGDALENE	2,962,043	SCHILKE, ALAN	2,972,086	WEINSTEIN, IRINA	2,963,659
MORICCA, SALVATORE	2,972,623	SCHNELL, TORSTEN	2,952,498	WEISSMAN, IRVING L.	2,965,198
MORITA, YASUYUKI	2,965,391	SHARPE, JOHN	2,966,882	WESTHUES, JONATHAN	2,972,772
MORRIS, ERIC L.	2,968,845	SHAY, ROBERT	2,957,194	WILSON, RICHARD L.	2,964,090
MURPHY, KATHLEEN M.	2,971,968	SIGA TECHNOLOGIES, INC.	2,966,466	WILT, MICHAEL J.	2,971,041
MURRAY, ALLAN GRANT	2,972,623	SJOGREN, JESPER	2,971,919	WILT, MICHAEL J.	2,971,046
NAIR, HARI	2,972,665	SODE, KOJI	2,972,876	WOBLEN PROPERTIES GMBH	2,967,539
NG, HOWARD	2,962,043	SODE, KOJI	2,972,877	WU, TIAN-SHUNG	2,963,390
NOTARO, JOEL M.	2,972,374	SODETECH	2,953,428	XU, QING	2,960,692
NOVARTIS VACCINES AND DIAGNOSTICS S.R.L.	2,960,687	SOMMER, SIEGRID	2,952,498	YAMAGATA, MOTOO	2,972,063
OCCIDENTAL CHEMICAL CORPORATION	2,964,090	SONG, YONGHONG	2,960,692	YANG, JAI-SING	2,963,390
ODELL, ROBERT B.	2,972,165	SOULILLOU, JEAN-PAUL	2,957,704	YANG, JU	2,965,223
OIKE, NORIFUMI	2,965,391	STENBERG, KURT E.	2,972,374	YASUNAGA, ITSUO	2,965,391
OLSEN, RUSS G.	2,972,374	STRATHE, JAMES S.	2,964,090	YOO, DONGWON	2,966,280
PALLAI, PETER V.	2,963,784	SUGIMOTO, TOMOHIRO	2,965,391	YOSHINO KOGYOSHO CO., LTD.	2,952,448
PANDEY, ANJALI	2,960,692	SUNSDAIL, ROY A.	2,972,371	YUYAMA MFG. CO., LTD.	2,965,391
PATTERSON, JOHN BRUCE	2,963,784	SUTTON, CLAY R.	2,972,665	ZENG, QUINGPING	2,963,784
PIZZA, MARIAGRAZIA	2,960,687	SZETO, HAZEL H.	2,971,928	ZENG, YIBIN	2,965,223
POLARIS INDUSTRIES INC.	2,972,371	SZETO, HAZEL H.	2,971,929		
POLARIS INDUSTRIES INC. PORTOLA	2,972,374	TAILLON, MICHEL	2,971,340		
PHARMACEUTICALS, INC.	2,960,692	TAIRA, SHINYA	2,965,391		
POWERS, JAY	2,965,223	TAIRA, SHINYA	2,963,390		
PRC-DESOTO INTERNATIONAL, INC.	2,968,845	TAIRX, INC.	2,965,391		
PRESCOTT, SHANNON	2,971,041	TAKEDA, NAKAJI	2,965,223		
PRESCOTT, SHANNON	2,971,046	TANAKA, HIROKO	2,972,371		
PRIBANIC, RUSSELL	2,952,073	TAYLOR, SCOTT D.	2,952,775		
PRIBANIC, RUSSELL	2,952,725	TERROUX, MARC			
PRIBANIC, RUSSELL	2,972,444	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY	2,957,704		
PROKOPIK, JOHN P.	2,971,726	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY	2,965,198		
PULIS, SYLVIA	2,972,211	THE CHILDREN'S HOSPITAL OF PHILADELPHIA	2,971,971		
RACENET, DAVID	2,952,073	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2,966,280		
		THE SALK INSTITUTE FOR BIOLOGICAL STUDIES	2,960,659		